CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Warehouse, etc., Cleveland, O., Cleveland Ry. & Harbor Terminal Co., having preliminary plans prepared, $10,000,000.

Club, theatre and store, Chicago, Ill., Steuben Club having plans prepared, $8,000,000.

Factory, Belvedere, Calif., Goodrich Rubber Co., plans, $4,000,000.

Hotel, Portland, Me., Finks Bros., plans, $2,000,000.

Office and stores, Chicago, Ill., B. F. Lindheimer, having sketches made, $2,000,000.

Waterworks, Aberdeen, Wash., voted bonds, $1,600,000.

College and hospital, Philadelphia, Pa., Jefferson Medical College, having plans prepared, $1,500,000.

Hotel, Beaumont, Tex., E. G. Edson having preliminary plans prepared, $1,500,000.

Office, Houston, Tex., San Jacinto Trust Co., having plans prepared, $1,250,000.

Road improvement, Centerville, Tex., Leon Co., bond election July 9, $1,250,000.

Garage, Chicago, Ill., Ramp Building Corp., soon takes bids, $1,200,000.

University, Westwood, Calif., University of California having plans prepared, $1,200,000.

Paving, Onawa, Ia., Monona Co., voted bonds, $1,000,000.

Paving, Chicago, Ill., Cook Co., soon takes bids, $1,000,000.

Court house, Clarksburg, W. Va., Harrison Co., plans, $1,000,000.

Factory, St. Louis, Mo., National Candy Co., having plans prepared $1,000,000.

Medical school, Washington, D. C., Georgetown University, sketches made, $1,000,000.

School, etc., Chicago, Ill., Sisters of Providence, having plans prepared, $1,000,000.

Bids Desired

Civil courts, St. Louis, Mo., June 21, by Bd. Pub. Serv., $2,075,000.

Cement kiln, St. Louis, Mo., Missouri Portland Cement Co., taking bids, $2,000,000.

Bids Received

High school, Far Rockaway, N. Y., W. H. Gompert, from Psaty & Fuhrman Inc., New York City, $1,410,000.

Bridge, Philadelphia, Pa., Dept. Pub. Wks., Bureau of Engineering from Dravo Constr. Co., Pittsburgh, $1,288,625.

Contracts Awarded

Office and store, Chicago, Ill., Coffey & McKeown to Dilks Constr. Co., $4,000,000.

Bridge, Los Angeles, Calif., Bd. Pub. Wks., to Lange & Bergstrom, $1,068,945.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

June 3 Rivere, Mass. ..... June 2
June 6 Elmhurst, Ill. ..... May 26
June 6 Mt. Prospect, Ill. ..... June 2
June 6 Fox Lake, Ill. ..... June 2
June 6 Valparaiso, Ind. ..... June 2
Adv. June 2.
June 7 Lisbon, Ia. ..... June 2
June 7 Devils Lake, N. D. ..... June 2
June 7 Maud, Okla. ..... May 26
June 7 St. Clair Shores, Mich. ..... May 26
June 8 Meriden, Conn. ..... May 26
June 8 Detroit, Mich. ..... June 2
June 9 Stanton, Tex. ..... June 2
June 10 Imperial, Neb. ..... June 2
June 10 West Hartford (br. Hartford), Conn. ..... June 2
Adv. June 2.
June 13 Monterey Park, Calif. ..... June 2
June 14 St. Louis, Mo. ..... May 26
June 14 Lindsay, Calif. ..... June 2
June 17 South Orange, N. J. ..... June 2
Adv. May 26 and June 2.
June 20 Grand Haven, Mich. ..... May 26
June 21 St. Louis, Mo. ..... June 2
June 22 Mohawk, N. Y. ..... June 2
Adv. June 2.
June 27 Galesburg, Ill. ..... May 26
Adv. May 26 and June 2.
July 25 Buenos Aires, Argentine ..... May 26
Adv. May 19 to June 2.

Sewers

June 6 Clinton, Ia. ..... June 2
June 6 Miami, Fla. ..... June 2
June 6 Columbia Heights (Minneapolis P. O.), Minn. ..... June 2
June 6 Milwaukee, Wis. ..... June 2
June 7 Maud, Okla. ..... May 26
June 7 Long Island City, N. Y. ..... June 2
June 8 Brooklyn, N. Y. ..... June 2
June 8 Baltimore, Md. ..... June 2
June 8 Los Angeles, Calif. ..... June 2
June 8 Phila., Pa. ..... May 26
June 8 Detroit, Mich. ..... May 19
Adv. May 19 to June 2.
June 9 Oakland, Calif. ..... June 2
June 10 Beemer, Neb. ..... June 2
June 13 Los Angeles, Calif. ..... June 2
June 13 Iron River, Mich. ..... June 2
June 14 Cleveland, O. ..... May 26
June 14 Sturgis, Ky. ..... May 26
June 29 Birmingham, Ala. ..... May 26
July 7 Louisville, Ky. ..... May 12

Bridges

June 6 Osceola, Mo. ..... May 26
June 6 Phila., Pa. ..... June 2
June 6 Brookline (br. Boston), Mass. ..... June 2

Bids close — *See Eng. News-Record*

June 6 Miami, Fla. ..... May 19
Adv. May 19 to June 2.
June 7 Paris, Ont. ..... June 2
June 7 Salem, Mass. ..... June 2
June 7 Minneapolis, Kan. ..... May 19
June 7 Jackson, Miss. ..... May 26
June 7 Iowa ..... June 2
June 8 Waukon, Ia. ..... June 2
June 8 Cottonwood Falls, Kan. ..... June 2
June 8 West Virginia ..... May 26
June 8 New York, N. Y. ..... May 26
June 8 Redding, Calif. ..... May 26
June 10 Harlan, Ia. ..... June 2
June 13 Omaha, Neb. ..... May 26
June 13 California ..... June 2
June 13 Oakland, Calif. ..... June 2
June 14 Hartford, Conn. ..... May 19
Adv. May 19 to June 2.
June 15 Point Pleasant, N. J. ..... May 26
Adv. June 2.
June 15 Reading, Pa. ..... June 2
Adv. May 26 and June 2.
June 21 Hopewell, Va. ..... June 2
Adv. June 2.
June 22 Dayton, O. ..... June 2
July 1 Old Hickory, Tenn. ..... June 2
Adv. June 2.
July 6 Louisiana ..... May 26
Adv. May 26 and June 2.
July 7 Florida ..... May 26
Adv. May 26 and June 2.

Dams

June 7 Peterborough, Ont. ..... May 26
July 11 Los Angeles, Calif. ..... June 2
Adv. June 2.

Excavation, Drainage, Irrigation. Levees, River and Harbor

June 3 New York ..... May 12
Adv. May 12 to June 2.
June 21 New York ..... May 26
Adv. May 26 and June 2.
July 11 Los Angeles, Calif. ..... June 2

Streets and Roads

June 3 New York, N. Y. ..... May 26
June 3 Winchester, Ind. ..... May 26
June 3 Danville, Ind. ..... June 2
June 4 Ontario ..... June 2
June 6 Akron, O. ..... June 2
June 6 Fulton, Ky. ..... June 2
June 6 Kansas City, Kan. ..... June 2
June 6 Buffalo, N. Y. ..... June 2
June 6 East Pittsburgh, Pa. ..... May 26
June 6 Greensburg, Ind. ..... May 26
June 6 Fowler, Ind. ..... May 26
June 6 Easton, Md. ..... May 12
June 6 St. Paul, Minn. ..... May 19

Bids close — *See Eng. News-Record*

June 6 Fowler, Ind. ..... May 19
June 6 Angola, Ind. ..... May 19
June 6 Cornwall, Ont. ..... May 19
June 6 New Jersey ..... May 19
June 6 Jefferson City, Mo. ..... May 26
June 6 South Kingston (mail Kingston), R. I. ..... June 2
June 6 Niles Center, Ill. ..... June 2
June 6 Park Ridge, Ill. ..... June 2
June 6 Riverside, Ill. ..... June 2
June 6 Peoria, Ill. ..... June 2
June 6 Cap de la Madeleine, Que. ..... June 2
June 6 Miami, Fla. ..... June 2
June 6 Coraopolis, Pa. ..... June 2
June 6 Winona, Minn. ..... June 2
June 6 Kansas City, Mo. ..... June 2
June 6 Brookline (br. Boston), Mass. ..... June 2
June 7 Bristol, Conn. ..... June 2
June 7 Colorado ..... June 2
June 7 Boylston (mail Boylston Center), Mass. ..... June 2
June 7 Phila., Pa. ..... June 2
June 7 Wisconsin ..... June 2
June 7 Flint, Mich. ..... June 2
June 7 Earlham, Ia. ..... June 2
June 7 Minneapolis, Kan. ..... May 19
June 7 Wabash, Ind. ..... May 19
June 7 Noblesville, Ind. ..... May 19
June 7 Lebanon, Ind. ..... May 19
June 7 Bedford, Ind. ..... May 19
June 7 Boonville, Ind. ..... May 26
June 7 Vincennes, Ind. ..... May 26
June 7 Auburn, Ind. ..... May 26
June 7 Woodbury, N. J. ..... May 26
June 7 West Virginia ..... May 26
June 7 Massachusetts ..... May 26
June 7 Maryland ..... May 26
June 7 Teaneck (mail West Englewood), N. J. ..... June 2
June 7 Oxford, Miss. ..... June 2
June 7 Crawfordsville, Ind. ..... June 2
June 7 Brazil, Ind. ..... June 2
June 7 Long Island City, N. Y. ..... June 2
June 7 Brooklyn, N. Y. ..... June 2
June 7 Lansing, Mich. ..... June 2
June 7 Richmond, Va. ..... June 2
June 7 Duck Hill, Miss. ..... June 2
June 7 Blackwell, Okla. ..... June 2
June 7 Iowa ..... June 2
June 8 Onawa, Ia. ..... June 2
June 8 Algona, Ia. ..... June 2
June 8 Salina, Kan. ..... May 19
June 8 Jackson, Miss. ..... May 26
June 9 Russell, Kan. ..... May 19
June 9 West Virginia ..... May 26
June 9 Bloomfield, Ind. ..... June 2
June 9 Russell, Kan. ..... June 2
June 9 Iola, Kan. ..... June 2
June 9 Morgantown, W. Va. ..... June 2
June 9 Juneau, Wis. ..... June 2
June 9 Muscatine, Ia. ..... June 2
June 10 Freeport, N. Y. ..... June 2
Adv. June 2.

See proposal advertising on page 146

Constr. News page 349

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Pipe Joint Knowledge

16-in. c. i. B&S water main laid with LEADITE joints, tested to 195 lbs. water pressure.

LEADITE is recognized to be the best material for making joints in cast iron bell and spigot water mains by thousands of water works men thruout the world.

Water works men who keep a check on their systems and make water waste surveys know that their pipe lines laid with LEADITE are tight.

Their experience with LEADITE has proven to them that LEADITE joints improve with age, and that the joints do not corrode or rust.

They know that LEADITE has been successfully tested and used for over 30 years.

They know LEADITE will flow around a 60-in. pipe just as easily as it does around a 4-in. pipe; size does not make any difference. They know LEADITE fills every crevice of the joint.

They know LEADITE eliminates the expense and drudgery of caulking.

They know the simplicity, economy and efficiency with which LEADITE can be used.

Give LEADITE a fair trial and convince yourself of its merit and many advantages.

Join the LEADITE users.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE
and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
June 10	Webster City, Ia.	June 2
June 10	Cincinnati, O.	June 2
June 10	Columbus, O.	June 2
June 10	New York	May 26
	Adv. May 26 and June 2.	
June 13	New Jersey	May 26
	Adv. May 26 and June 2.	
June 13	California	June 2
June 13	Jacksonville, Fla.	June 2
June 13	Weatherford, Tex.	June 2
June 13	Alice, Tex.	June 2
June 14	Massachusetts	June 2
June 14	Meadville, Pa.	June 2
June 14	Maryland	June 2
	Adv. June 2.	
June 15	Erlanger, Ky.	June 2
	Adv. June 2.	
July 15	Anderson, Ind.	June 2
June 15	Barberton, O.	May 19
June 15	Delaware	May 26
June 16	Grove City, Kan.	May 26
June 17	Cincinnati, O.	June 2
June 17	Virginia	June 2
	Adv. June 2.	
June 20	New Jersey	June 2
	Adv. June 2.	
June 20	Martinez, Calif.	June 2
June 20	Duluth, Minn.	May 5
June 21	Columbus, O.	June 2
June 21	Florida	June 2
June 24	Tennessee	May 26
June 27	Birmingham, Ala.	June 2
June 29	Birmingham, Ala.	May 12
June 29	Birmingham, Ala.	May 26

Buildings—Commercial

June 3	Dorchester (Boston P. O.), Mass.	May 26
June 4	Reading, Pa.	June 2
June 6	Phila., Pa.	June 2
June 7	Chicago, Ill.	June 2
June 8	Chicago, Ill.	May 26
June 9	Omaha, Neb.	June 2
June 13	Sweetwater, Tex.	June 2
June 21	St. Louis, Mo.	June 2
June 30	Bremerton, Wash.	May 19

Buildings—Industrial

June 7	Georgetown, P. E. I.	June 2
June 8	Phila., Pa.	June 2

Buildings—Educational, Religious

June 3	Storrs, Conn.	May 12
June 3	Wash., D. C.	May 26
June 6	Kingston, R. I.	May 19
June 6	Garfield Heights (br. Cleveland), O.	May 19
June 6	New Wilmington, Pa.	June 2
June 6	Boston, Mass.	June 2
June 6	Warren, Mich.	June 2
June 7	Phila., Pa.	June 2

Bids close		See Eng. News-Record
June 7	Richmond Hill (Ind. br. Jamaica), N. Y.	May 12
June 7	Lake City, Fla.	May 19
June 7	Brooklyn, N. Y.	May 19
June 8	Willsboro, N. Y.	May 26
June 8	Charlevoix, Mich.	June 2
June 9	Chicago, Ill.	June 2

Federal Government Work

June 6	Engine—Wash., D. C.	June 2
June 7	Patrol Boat—Staten Island, N. Y.	May 26
June 9	Road—Oregon	June 2
June 10	Boilers—Atlanta, Ga.	June 2
June 10	Breakwater—Frankfort, Mich.	May 12
	Adv. May 12 to June 2.	
June 10	Buildings, etc.—Livermore, Calif.	May 12
June 10	Gates, etc.—Oregon, California	May 26
June 11	Repairing Sea Wall—Fort Slocum (Ind. br. New Rochelle), N. Y.	May 26
June 11	Dredging—Michigan	May 26
	Adv. May 26 and June 2.	
June 13	Post Office, etc.—Marianna, Fla.	May 12
June 13	Revetment—Machens, Mo.	June 2
June 14	Post Office—Red Bluff, Calif.	May 12
June 14	Boat—Huntington, W. Va.	May 19
June 14	Water Softening Plant—Waukesha, Wis.	May 26
June 15	Turbo Alternator—Parris Island, S. C.	May 26
June 15	Refrigeration Equipment—Lakehurst, N. J.	June 2
	Adv. May 26 and June 2.	
June 15	Road—California	June 2
June 16	Boiler—Washington, Pa.	May 26
	Adv. May 26 and June 2.	
June 16	Piers—Olcott, N. Y.	May 26
June 17	Mezzanine—Phila., Pa.	May 26
June 17	Dredging—Phila., Pa.	May 26
June 20	Boiler—Victoria, Tex.	June 2
June 21	Garage—New York, N. Y.	May 26
June 21	Oil Line—Northport, N. Y.	May 26
June 22	Post Office—Bayonne, N. J.	May 26
	Adv. May 26 and June 2.	
June 22	Reservoir, etc.—Parris Island, S. C.	May 26
June 22	Hangar Doors—Anacostia (sta. Wash.), D. C.	May 26
June 22	Road—Norfolk, Va.	May 26
June 22	Barracks—Guantanamo, Cuba	May 26
	Adv. May 26 and June 2.	
June 23	Dredging—Delaware and Maryland	May 26
	Adv. May 26 and June 2.	
June 24	Lift—Johnstown, Pa.	June 2
	Adv. June 2.	

Bids close		See Eng. News-Record
June 24	Lockkeepers House—Pittsburgh, Pa.	May 26
	Adv. May 26 and June 2.	
June 25	Barracks—Mt. Clemens, Mich.	June 2
June 28	Post Office—Tomah, Wis.	June 2
	Adv. June 2.	
June 29	Dredging, etc.—Maine	May 26
	Adv. May 26 and June 2.	
July 1	Lock Gate—Pittsburgh, Pa.	June 2
	Adv. June 2.	
July 1	Dredging—Rhode Island	June 2
	Adv. June 2.	

Unclassified

June 3	Fire Alarm System—Brooklyn, N. Y.	May 26
June 3	Special Work—Brooklyn, N. Y.	June 2
June 3	Signal Towers—Brooklyn, N. Y.	June 2
June 6	Lighting System—Peoria, Ill.	June 2
June 6	Light System—Johnstown, N. Y.	May 26
June 6	Heating System—Syracuse, N. Y.	June 2
June 6	Heating and Ventilating System—Dedham, Mass.	June 2
June 6	Pipe—Covina, Calif.	June 2
June 7	Mechanical Equipment—New York, N. Y.	June 2
June 7	Mechanical Equipment—Springfield Gardens (mail Jamaica), N. Y.	June 2
June 7	Balustrade—New York, N. Y.	June 2
June 8	Refrigeration Equipment—Thiells, N. Y.	May 26
June 8	Heating Line—Baltimore, Md.	Jnue 2
June 10	Track Materials—New York, N. Y.	June 2
June 10	Stadium—Muskegon, Mich.	May 19
June 11	Swimming Pool and Auditorium—Pittsfield, Mass.	June 2
June 14	Power Equipment—Pasadena, Calif.	June 2
June 14	Lighting System—Oak Park, Ill.	June 2
	Adv. June 2.	

Materials

June 7	Memorial Hoist—East Moline, Ill.	June 2
June 7	Culvert Pipe—Mt. Pleasant, Ia.	June 2
June 7	Road Oil—Trenton, N. J.	June 2
June 8	Metals and Castings—New York, N. Y.	June 2
June 13	Beams—Los Angeles, Calif.	June 2

News of the Week

Waterworks

Proposed Work

Md., Salisbury—Voted $200,000 bonds, extending and improving water and sewerage system. F. H. Dryden, Salisbury, engr.

W. Va., Grafton—Plans 2 m.g. filtration plant. $144,000. J. M. Rice Eng. Co., Oliver Bldg., Pittsburgh, Pa., engrs.

O., Youngstown—Bd. Local Control, has not called for bids June 1 for constructing Meander Creek Dam, 13,400,000 gal. capacity, etc., in Mahoning Valley Water Dist. $6,000,000. Contract drawings not made. This corrects report in Mar. 17 issue.

Ind., Anderson—See "Buildings—Industrial."

Minn., St. Paul—A. E. Eggert, city purch. agt., rejected bids May 3, approximately 30 tons water pipe specials. Noted Apr. 28.

Kan., Ness City—Voted $35,000 bonds, complete waterworks. S. A. Sulentie Consult. Eng. Co., New England Bldg., Topeka, engrs. Noted May 12.

Tex., Beaumont — See "Streets and Roads"

Tex., Brownsville—See "Unclassified."

Tex., Lampasas—Making plans extending waterworks. $30,000. Address Mayor.

Power equipment, etc.

Tex., McLean—See "Unclassified."

Tex., San Angelo—See "Unclassified."

Okla., Seminole—Voted $65,000 bonds, 3 deep wells and watermain extensions. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 12.

Okla., Tecumseh—Making plans extending 17,000 ft., 6- to 8-in. c.i. pipe mains, etc. in various streets. $35,000. E. W. Gantt & Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Tulsa — City retained Black & Veatch, consult. engrs., Mutual Bldg., Kansas City, Mo., and V. C. Cochrane, consult. engr. New Wright Bldg., to make preliminary studies and reports on filtration works for water supply from Spavinaw Creek.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Wash., Aberdeen — Voted $1,600,000 bonds, industrial water plant on Lower Wynooche River at Wedekind Creek. Noted Apr. 21.

Calif., Williams—See "Bids Desired."

Bids Desired

Mass., Revere—June 3, by Dept. Pub. Wks., City Hall, laying and relaying mains and appurtenances in various streets. M. J. O'Connell, supt. Noted May 5.

Conn., West Hartford (br. Hartford)—June 10, by Water Comrs., Hartford, 2,350 lin.ft. 42 in. c.i. bell and spigot pipe line, here. F. S. Garrison, pres.; adv. E. N.-R. June 2.

N. Y., Mohawk—June 22, by Municipal Comn., constructing 3 m.g. rein.-con. distributing reservoir, etc. C. C. Hopkins, 349 Cutler Bldg., Rochester, engr.; adv. E. N.-R. June 2.

N. J., South Orange—June 17, by Water Com. Bd. Village Trustees, Village Hall, 2 complete air compressor and water pumping units, motor driven at Pumping Station Building on Water Lands. I. T. Redfern, village engr.; adv. E. N.-R. June 2.

Ind., Valparaiso—June 6, at office Water Dept., pumping equipment and intake; adv. E. N.-R. June 2.

Mich., Detroit — June 8, by Secretary Detroit Water Bd., 176 East Jefferson Ave., 44,960 ft. 6- to 16-in. c.i. mains, gates, valves, etc. in Coyle, Pembroke, Vassar and other streets; also 38,150 ft. 6- to 16-in. c.i. mains, etc. in Lauder Ave. and Seven Mile Rd. G. H. Fenkell, 176 East Jefferson Ave., engr.

Ill., Fox Lake—June 6, by Bd. Village Trustees, L. C. De Proft, pres., drilling, casing, furnishing material and equipment for deep well. Kelker, De Leuw & Co., 1717 Conway Bldg., Chicago, engrs.

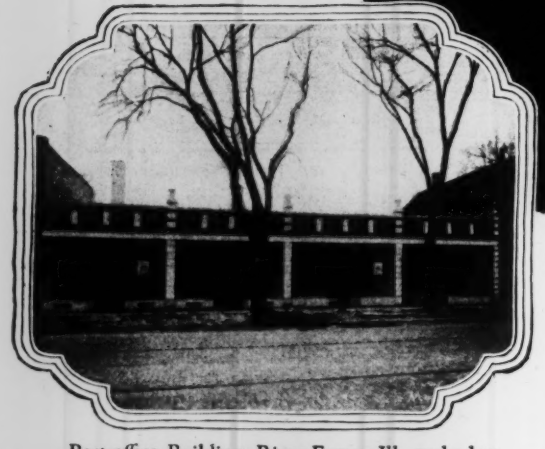
Ill., Mt. Prospect — June 6, by Village, water stubs. $35,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ia., Lisbon — June 7, by C. R. Runkle, town clk., 75,000 gal. tank on tower, 10,000 ft. 4 and 6 in. c.i. pipe, 4 hydrants, 11 gate valves, etc. $21,000. H. R. Green Co., 208 Bever Bldg., Cedar Rapids, engr. Noted May 26.

Constr. News page 350

When time is money . . .

use High-Early-Strength concrete made with standard (not special) Universal Cement



Post-office Building, River Forest, Ill., rushed to completion thru use of thoroly tested methods and standard—not special—Universal cement to obtain *High-Early-Strength* Universal Concrete. William Sevic, Chicago, architect; Hazen Albaugh, Berwyn, Ill., contractors; standard—not special—Universal cement furnished by Wisconsin Lime and Cement Co., Oak Park, Ill.

Post-Office Foundation Ready in 3 *Days*

Last December the United States Government signed a contract for a post-office in River Forest, Ill., but specified occupancy by *March.*

Rushed for time, the contractor used *High-Early-Strength* Universal Concrete for the foundation and thus was able to proceed with the superstructure 3 *days* after concrete was placed. Work was speeded up all along the line. The job was completed on time.

High-Early-Strength Universal Concrete, made by using fully tested methods and standard—not special—Universal cement, gives strong concrete in 3 *days*. This concrete, having a higher *ultimate* strength, is also permanently *better* and *stronger* concrete. The accompanying coupon will bring full details promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with standard—not special—Universal cement, the same quality Universal regularly used.

Name .....

Address .....

ENR 6-2-27

Waterworks (Continued)

Neb., Imperial—June 10, by W. C. Hill, village clk., 15,000 lb. 4 HD. bare and 500 lb. 4 SD. bare copper wire, 2,200 lb. 6 and 3,850 lb. 4 TBWP copper wire; power plant, 12 in. tubular well, 145 ft. deep, gravel treated, 12 or 24 in. Kelley well approximately 145 ft. deep, gravel treated, 200 or 250 g.p.m. two stroke deep well pump, f.o.b. Imperial; also brick pump house, etc., $39,010. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs. Noted Mar. 10.

N. D., Devils Lake—June 7, by M. Olsen, city aud., concrete reservoir, settling basin and pump house. To exceed $15,000. Toltz, King & Day, Builders Exch. Bldg., St. Paul, Minn., engrs. Noted Apr. 7.

Mo., St. Louis—June 21, by Bd. Pub. Serv., 208 City Hall, rein.-con. covers for four 275 x 600 ft. storage reservoirs at Bissells Point Sta., $430,000; and one for 402 x 500 ft. at Baden Pumping Sta., $140,000. L. Day, City Hall, comr. Noted Apr. 28.

Tex., Stanton—June 9, by S. B. Houston, mayor, (a) 1 double stroke piston type motor driven well pump, 150 g.p.m. against 100 ft. head, (b) one 500 g.p.m. against 150 head centrifugal pump and motor, or (c) one 250 g.p.m. against 110 ft. head centrifugal pump and motor, alternate one well pump same as above, one 500 g.p.m. centrifugal pump same as (b) above except for belt drive, one 40 hp. and one 10 hp. oil engine. Hawley & Roberts, Box 1115, Lubbock, engrs.

Calif., Lindsay — June 14, by E. V. Bogart, city clk., 200,000 gal. steel reservoir.

Calif., Monterey Park—June 13, by City Trustees, 2 m.g. concrete reservoir, 122 ft. dia., etc. O. A. Gierlich, 1st Natl. Bank Bldg., Monrovia, engr.

Calif., Oakland — Directors East Bay Municipal Utility Dist., taking bids and open same about July 15, Lafayette Dam, rolled filled type with puddled clay core, 1,855 ft. crest length, 175 ft. high, 1,887,000 cu.yd. embankment in place, 800,000 lb. reinforcing, 6,200 lin.ft. 6 and 8 in. vitr. tile drain, 25,000 cu.yd. excav., etc. A. P. Davis, ch. engr. district. Noted Mar. 3.

Calif., Williams—City, I. A. Fouch, clk., taking bids pumping plants in wells and c.i. mains in various streets; also soon takes bids 100,000 gal. steel tank and tower. C. E. Sloan, Santa Fe Bldg., San Francisco, engr. Noted May 12.

Bids Received

Mass., Boston—Metropolitan Dist. Water Supply Comn., 24 School St., May 20, sinking 455 ft., 430 ft. and 410 ft. shafts, known as Contrs. 2, 3 and 4, in Rutland, from Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $259,800; also 315 ft. and 335 ft. shafts, known as Contrs. 6 and 7, in Holden, from J. J. Coughlin & Sons, Inc., 27 School St., $162,125. Noted May 5.

Contracts Awarded

Mass., Dorchester — Dept. Pub. Wks., Boston, waterworks in Southern Artery, here, to J. Williams & Co., 8 Beechwood St., $14,605. Engrs. est. $15,000. Noted May 5.

Mass., Wrentham—Water Comrs., water system in various streets, to E. Metcalf, Wrentham. Engrs. est. $35,000. Noted May 12.

N. Y., Akron—Bd. Water Comrs. at office W. J. Kelley, village clk., concrete core earth dam for waterworks, to S. C. Schloss, Gowanda, $35,223; filter plant, to Norwood Eng. Co., Florence, Mass., $71,000; and pipe line, to L. C. Muncie, South Byron, $32,711. Grand total $75,044. Noted Mar. 17.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Lexington Ave. and Essex St., here, to N. DeStefano, 257 Glenn Ave., Tompkinsville, $51,800. Noted May 12.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York City, mains in Avenues I, K, O, Y, Narrows Remsen Aves., etc., to Draganetti Constr. Co., 1123 Clinton Ave., New York City, $14,403. Noted May 12.

N. Y., Hamilton — Bd. Water & Light Comrs., ½ m.g. distributing reservoir, and 3,400 ft. connecting pipe, to C. R. Lewis, Ilion, $27,898. Noted Apr. 14.

N. Y., New York — N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., mains in Arnow, Beach, Colgate Aves., etc. Bronx Boro, to Palladino Contg. Co., 1479 Park Ave., $11,622. Noted May 12.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Avenue A, Amsterdam, Lexington Aves., etc., to Beaver Eng. & Contg. Co., 57 Chambers St., $34,360. Noted May 19.

N. J., Newark — North Jersey Dist. Water Supply Comn., 24 Commerce St., constructing Midvale and Furnace Rds. Dams, Wanaque Reservoir, to Winston & Co., Kingston, N. Y., $238,050. Noted May 5.

Pa., Chester—G. J. Hunter, supt. Streets & Pub. Wks., main pumping station and grit chamber, West 2nd St. and Chester River, to Lignon & Lignon, 200 East Lexington St., Baltimore, Md., $172,422. Noted May 5.

Md., Baltimore—Bd. Awards, mains in Hillen Rd., to M. and J. B. McHugh, 3911 Woodbine Ave., $22,634. Noted May 5.

O., Beachwood (br. Cleveland) — To Abood & Lewis, 626 Huron Rd., Cleveland, main in Cedar Rd. $26,877; to F. Haddad, Fidelity Bldg., Cleveland, mains in Brentwood Ave. $4,807, Edgewood Ave. $5,569, Elmhurst Ave. $4,553, Fernwood Ave. $2,564, Larchmont Ave. $2,617, and Meadowbrook Blvd. $5,465. Grand total $52,452.

Mich., Detroit—Dept. Purchases & Supplies, 710 Marquette Bldg., to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., 300 tons 8- to 16-in. c.i. pipe, 12 and 16 in. bell and spigot without lugs at $53 per ton, also 12 and 16 in. bell and spigot with lugs at ends at $73 per ton. Noted May 19.

Mich., Royal Oak (Ind. br. Detroit)—R. B. Fleming, city clk., 850 tons standard bell and spigot 6 and 8 in. c.i. pipe in 12 ft. lengths, to J. B. Clow & Sons, 2142 Buhl Bldg., Detroit, at $42.25 per ton or $0.7035 per ft. 6 in. and $1.003 for 8 in.

Wis., Milltown — Approximately 6,500 lin.ft. 6 and 8 in. c.i. pipe, 11 gate valves and 12 hydrants, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn., $10,980; elevated storage tank, to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis, Minn., $2,894; and drilling 8 in. well approximately 100 ft. deep, to L. M. Knutson, Cumberland, at $6 per ft. and $175 additional for screen and testing. Noted May 19.

Okla., Altus — For 7,100 ft. 14 in. c.i. mains in various streets and 1,500 g.p.m. centrifugal pump, to E. W. Baker Co., 404 Medical Arts Bldg., Oklahoma City, $28,775. Engrs. est. $30,000. Noted May 12.

Wash., Seattle—Bd. Pub. Wks. sand cast mains in 28th Ave. N. W., to F. Lupis, 1909 Charles St., $16,078.

Calif., Long Beach—For 78,264 ft. 6- to 20-in. c.i. pipe, to U. S. Cast Iron Pipe Co., Wright-Callendar Bldg., Los Angeles, approximately $128,605. Noted Mar. 31.

Calif., Sacramento—H. G. Denton, city clk., three 30 in. DeLaval pumps and Westinghouse motors, to Latourette-Fiscal Co., Front St., $26,500; three 36 in. valves, to Water Works Supply Co., Sharon Bldg., San Francisco, $5,070; one vacuum pump, to Byron-Jackson Co., West Berkeley, $832; and high head pump, to Worthington Pump Co., Sharon Bldg., San Francisco, $270. Grand total $32,672. Noted Mar. 24.

Ont., Dryden—For 1 mi. 6 in., etc. c.i. mains in various streets, to Nelson River Constr. Co. Ltd., 124 Pears Ave., Toronto, Ont. Engrs. est. $25,000.

Sewers

Proposed Work

R. I., Providence—Plans sewerage works in Douglas Ave. and 4 streets. $25,000. J. Smith, chn. com. on sewers.

Connecticut—State plans sewage disposal plants at Insane Hospital, Middletown; Connecticut Agriculture College, Storrs; and State School, Mansfield. $145,000.

Md., Salisbury—See "Waterworks."

O., East Cleveland (br. Cleveland)—City of Cleveland making plans 900 ft. 5 x 7 ft. concrete box sewer in Hayden Ave. To exceed $250,000. M. Garnett, City Hall, East Cleveland, engr.

O., Hamilton—G. C. Mitchell, serv. dir. making plans sanitary sewer in 2.75 mi. Griesmer addition, $65,000; also storm sewer in Kenworth Ave., $9,722. W. Willard, Hamilton, engr

Mich., Dearborn—Making plans 3,758 ft. 12- to 21-in. vitr. clay sewers and 1,800 ft. 6 in. vitr. clay house connections in Sewer Distr. 13. $25,000. R. H. Erlay, village engr.

Mich., Detroit—Dept. Pub. Wks. made plans 27,817 ft. 12- to 24-in. vitr. or concrete of 2 ring brick sewers in Lateral 4762, 4774, 4793-A, 4828, 4830 and 4838; 3,124 ft. 12 in. to 3 ft. x 4 ft. 6 in. egg shaped in Lateral 4766; 4,389 ft. 12- to 18-in. in Lateral 4775; 450 ft. 18 in. Lateral 4803; 14,437 ft. 12 in. to 4 ft. 6 in. in Lateral 4826; 1,264 ft. 12- to 30-in. in Lateral 4836; 6,260 ft. 12- to 20-in. in Laterals 4825 and 4839; 16,103 ft. 12 in. to 3 ft. 6 in. in Lateral 4840; and 5,976 ft. 12 in. to 4 ft. 6 in. in Lateral 4841. P. A. Fellows, city engr.

Mich., Detroit—Dept. Pub. Wks. making plans vitr. crock and brick sewers in Lateral 4829; 20, 891 ft. 12 to 30 in. in Laterals 4765, 4776, 4,912 ft. 12- to 18-in. in Laterals 4832 and 4834; 1,274 ft. 12- to 20-in. in Lateral 4831. P. A. Fellows, city engr.

Ill., Princeton—Making plans sewage treatment plant and storm sewers in various streets. Shields, Jordan & Roe, 8 South Dearborn St., Chicago, engrs. To exceed $45,000.

Tex., Abilene—See "Unclassified."

Tex., Beaumont — See "Streets and Roads."

Tex., Brownsville—See "Unclassified."

Tex., Harrisburg—Voted $55,000 bonds, sewers, etc. in various streets. Address J. S. Deady, mayor.

Tex., McLean—See "Unclassified."

Tex., Mission—Voted $30,000 bonds, sewers in various streets. L. Dohrn, mayor. Noted May 12.

Tex., San Angelo—See "Unclassified."

Okla., Seminole—Voted $30,000 bonds, 3600 ft. 18 in. vitr. clay outfall sewer and disposal plant. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 12.

Wash., Sunnyside—Voted $80,000 bonds, sewerage system.

B. C., Point Grey—Council takes bids about June 3, rein.-con. or vitr. trunk sewer in Ash St. $30,000. W. B. Greig, 5851 West Boulevard, Vancouver, engr.

Bids Desired

N. Y., Brooklyn—June 8, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Rogers Ave., West 6th and Ford Sts.; and sewer basins in various streets.

N. Y., Long Island City—June 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Barn St., 2nd and Potter Aves., etc.

Md., Baltimore—June 8, by Bd. Awards, storm drains and sanitary sewers in Sewer Distr. H-7, Storm Water Contr. 107. M. J. Ruark, 311 Courtland St., sewerage engr.

Ala., Birmingham — June 29, by City Com. approximately 2.5 mi. brick c.i. and terra cotta sewers in 27th Court, 33rd Alley, 32nd Way, Huntsville Rd., 31st and 34th Sts., 27th, 28th and 29th Aves. $167,300. A. J. Hawkins, city engr.

Ky., Sturgis—June 14, by City Clerk, sewers in various streets. $25,000. Black & Veatch, 811 City Natl. Bank Bldg., Paducah, and 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Mar. 10.

Mich., Iron River—June 13, by P. Walraven, city mgr., sanitary and storm sewers for 4 year program. $425,000. Hood, Decker, Shoecraft & Drury, Ann Arbor, engrs. Noted Feb. 17.

Wis., Milwaukee—June 6, by Bd. Pub. Wks., main sewers in Forest Pl., 9 streets, Roosevelt Dr., Penna., 33rd and 13th Aves. $38,799. R. E. Stoelting, comr.

Ia., Clinton—June 6, at office Auditor Clinton Co., 36,130 ft. 6- to 8-in. tile drain, etc., on Goose Lake-Preston Rd.

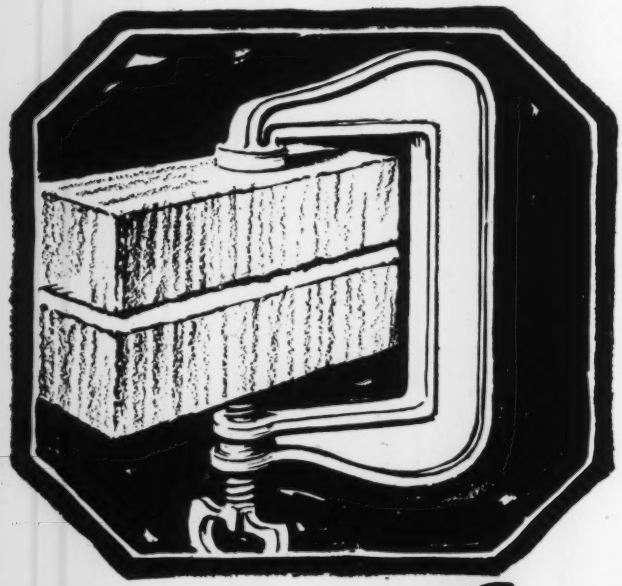
Minn., Columbia Heights (Minneapolis P. O.)—June 6, by W. Leitch, city mgr., approximately 59,035 ft. 8- to 24-in. vitr. clay sewers, 49 catch basins, 2 side inlets, etc., in various streets. $135,000. Clausen & Carroll Eng. Co., 406 Metropolitan Bank Bldg., St. Paul, engrs.

Neb., Beemer—June 10, by City, complete sanitary sewerage system. $26,500. Scott & Scott, 427 Bankers Life Bldg., Lincoln, engrs.

Okla., Shawnee—June 7, by J. C. Coleman, city clk., 46,600 ft. 8- to 12-in. vitr. clay sewers in Sewer Dists. 99 to 108 (inclusive). $51,000. E. T. Archer, 612 New England Bldg., Kansas City, Mo., engrs. Noted Apr. 7.

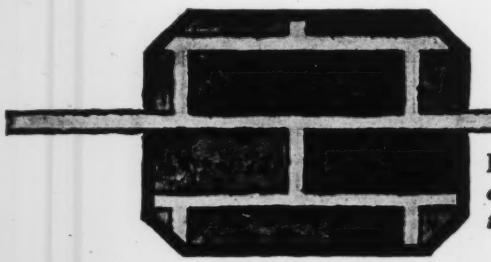
Calif., Inglewood — Taking bids 43,908 lin.ft. 8 in. vitr. sewers, etc. in Harvey and Hill Dr., etc.

Constr. News page 351



strength!

The strength you specify is the strength you *get* when BRIXMENT is used for mortar. Only two materials. Ideally plastic. No temptation to weaken the mix with lime. Unusual fineness makes tighter, stronger bonds. Ask for architects' handbook. Louisville Cement Company, *Incorporated;* Offices: Louisville, Ky.



Make Sure of the Mortar Joint!

Use BRIXMENT *for Mortar*

Sewers (Continued)

Calif., Los Angeles—June 13, by Supervs. Los Angeles Co., monolithic box culvert, conduit and pipe in D. D. 20. To exceed $200,000. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles — June 8, by Los Angeles Co. Sanitation Dist. 2, 9,315 ft. 18 in. vitr. sewer, etc. in. Old River School Rd. A. K. Warren, Law Bldg. ch. engr.

Calif., Oakland—June 9, by F. C. Merritt, city clk., constructing sewer along Key System Transit Co. mole, etc. (Yerba Buena Ave. Outfall Sewer). To exceed $100,000. W. W. Harmon, city engr.

Calif., Roseville—City Clerk, taking bids sewage treatment plant, 4,056 ft. 12 and 18 in. vitr. sewer in various streets. C. C. Kennedy, Call Bldg., San Francisco, engr.

Contracts Awarded

Mass., Beverly — South Essex Sewerage Bd., Fort Ave., Salem, constructing Sect. 10 Trunk Sewer, to J. H. Chapman Co., 289 Chapman St., Providence, R. I., for Commonwealth of Massachusetts, Boston. Engrs. est. $25,000. Noted Apr. 28.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Muccinni & Decker, Queens Village, sewers in Ditmars Ave. $35,557, 121st St., etc., $45,130, Rockaway Blvd., etc., $165,616, Beach 32nd St., $129,739, and 38th St., $71,582. Grand total $447,624. Noted May 19.

N. Y., Richfield Springs—Village Clerk, constructing 5,400 ft. vitr. sewers, screen well and digestion tank, pump well and sludge bed, etc., to N. D. Peters & Co., 216 Kossuth Ave., Utica, $27,000. Note May 5.

N. J., Highland Park (br. New Brunswick)—See "Streets and Roads."

N. J., Teaneck (mail West Englewood)—Twp. Com., 5,800 ft. 12- to 18-in. sewer in River Rd., Contr. "V." to J. C. Kinzley Co., 78 Main St., Hackensack, $33,685. Noted May 5.

N. J., Trenton—Bd. Freeholders Mercer Co., rein.-con. drains in Olden Ave. and private lands, to Capitol Eng. Co., Trenton Trust Bldg., $49,446. Noted May 19.

S. C., Columbia—For 21,000 ft. 18- to 42-in. storm drains in various streets, to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., and Columbia, S. C., $115,000. Noted May 12.

O., Beachwood (br. Cleveland)—To F. Haddad, Fidelity Bldg., Cleveland, sewer in Brentwood Rd. $7,684, Edgewood Rd. $8,162 Elmhurst Rd. $7,208, Fernwood Rd. $3,962, Larchmont Rd. $4,617, Meadowbrook Blvd. $8,095, and Cedar Rd. $39,726. Grand total $79,454.

O., Lyndhurst (br. Cleveland)—To J. B. Lynn Constr. Co., 16311 Saranec Rd., Cleveland, vitr. block sewer in Churchill Ave. $27,139 and tie sewer in Oakmont Rd. $3,009; to F. Haddad, Fidelity Bldg., Cleveland, sewer connections in Biltmore Ave. $1,100, Gordon Rd. $4,160, and Lynd Rd. $3,320, and to M. Iafarnaro Constr. Co., Union Mortgage Bldg., Cleveland, Mayfield Rd. (Sect. 1) $5,287, and Mayfield Rd. (Sect. 2) $28,950. Grand total $72,965.

O., Maple Heights (br. Cleveland) — Sewer in Libby Rd., to W. P. Burkhardt, 3905 West 20th St., Cleveland, $25,556.

O., Wickliffe—To F. B. Stein, Inc., Euclid, sewage disposal plant $23,623, and tank $3,345.

Ind., East Chicago — Sewage pumping station and sewerage system, to Pub. Constr. Co., Hammond, $97,000.

Mich., Detroit—Commissioner Pub. Wks., City Hall, constructing concrete and brick sewers in Redmond Ave. Seven Mile Arm Sewer, to S. A. Healy, 1007 Amer. State Bank Bldg., $78,367, Essex Ave. Arm, Newport Sewer, to J. Rossi, 4148 Seneca Ave., $56,368, Seven Mile Rd. Arm East of Ashland Ave., to N. Di Ponio, 13535 Woodward Ave., $36,097, Liddesdale Ave. Sewer, to T. D. Nolan, 106 West Montana Ave., $223,410, and Newport-Avondale Arm Sewer, Mill Road Sewer Sects. 6 and 7, to Blanck & Gargaro Co., 40 East Seven Mile Rd., $402,694. Grand total $796,936. Noted Apr. 28.

Ill., Rockford — Sewers in portions 14 Streets in South Rockford and Salem Street Sewer Dist., to C. E. Hughes, 1611 Camp Ave., $22,000. Engrs. est. $39,440. Noted May 12.

Ill., Rockford—See "Streets and Roads."

Wis., Lake (St. Francis P. O.)—Vitr. clay sewers (asphalt joints) in various streets, to Wenzel & Henoch Constr. Co., 49th and State Sts., Milwaukee, $68,630.

Minn., St. Paul — A. E. Eggert, city purch. agt., Belt Line Reaney St. sewer Extension, to H. Huebscher, 1337 Edmund St., $27,900. Noted Apr. 28.

Ark., Hope—See "Streets and Roads."

Okla., Tulsa—Sewers in Storm Sewer Dist. 8, 2,800 ft. 36 in. and 1,700 ft. 42 in. segmental block pipe, etc., to Standard Paving Co., 1742 East 6th St., $28,309. Engrs. est. $30,000.

Ont., Forest Hill—L. W. Archer, village clk. 417 Spadina Rd., Toronto, approximately 1 mi. 48 in. trunk sewer in various streets, to McNamara Constr. Co., 53 Yonge St., Toronto, $32,886, supplying 8- to 48-in. concrete pipe for 4 mi. trunk and lateral sewerage system, to Independent Concrete Pipe Co., 400 Cheyne Ave., Toronto, $44,455; and laying 4 mi. lateral sewers in Southwest and Northwest Sects., to A. Cavotte, 257 Euclid Ave., Toronto, $54,225. Grand total $131,566. Noted May 5.

Waste Disposal

Proposed Work

N. J., New Brunswick—Made plans 50 x 80 ft. brick and concrete incinerator, incl. 155 ft. stack, etc. $150,000. A. Atkinson, city engr.

Contracts Awarded

N. Y., West New Brighton (sta. Staten Island)—J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, general construction incinerator plant, here, to Nye Odorless Crematory Co., 50 East 42nd St., New York City, $213,500. Noted Feb. 24.

Bridges

Proposed Work

Massachusetts—Dept. Pub. Wks., Boston, plans 1 span rein.-con. and steel bridge over New York New Haven & Hartford R.R. tracks, on Morton St., Dorchester; and 1 span rein.-con. and steel bridge over Boston & Albany R.R. tracks, on Columbus Ave., Boston, $80,000 each. Private plans.

Mass., Quincy (Boston P.O.)—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., South Sta., Boston, making preliminary plans steel bridge over railroad tracks on West Squantum St., here. $40,000. A. S. Tuttle, c/o owner, company engr.

Miss., Laurel—See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys and takes bids about June 16, rein.-con. bridge and approaches over Bull Run Creek, Union Co. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Knoxville—State Dept. Highways & Pub. Wks., Nashville, plans bridge over Tennesse River, on Knoxville-Maryville Rd., at University of Tennessee State Farm, Knox Co., near here. To exceed $100,000. C. N. Bass, highway comr.

O., Cleveland—City and New York Central R.R., St. Clair Ave. and West 3rd St., R. O. Rote, ch. engr. (lines west of Buffalo) making preliminary plans grade crossing elimination, West 143rd St. and New York Central R.R. tracks, $650,000; also at Bway. and Erie R.R. tracks, $750,000. J. M. Heffelfinger, city bridge engr.

O., Napoleon — Plans bridge over Maumee River. $450,000.

O., Niles—Trumbull Co. making plans 1,200 ft. steel and concrete bridge, on South Main St. $500,000. Wendall P. Brown Co., Finance Bldg., Cleveland, engr.

Ind., Muncie—Comrs. Delaware Co. plan bridge over White River, on Washington St. $95,000. Address Auditor, Muncie.

Wisconsin—State Hy. Comn., Madison, made plans constructing 4 concrete slab span bridges in Chippewa Co.; and 18 in. Pierce Co. C. H. Kirch, bridge engr.

Kan., Erie—See "Streets and Roads."

Mo., Jerome—Jerome Bridge Co., c/o B. H. Rucker, secy., Frisco Bldg., St. Louis, making preliminary plans 510 ft. rein.-con. and steel bridge over Gasconade River, 18 ft. here. Private plans.

Texas—Orange Co. (Orange) and Jefferson Co. (Beaumont) plain rein.-con. and steel bridge across Neches River, between Orange and Port Arthur. $100,000. J. W. Billingley, Interstate Bldg., New Orleans, La., engr.

Tex., Cameron—See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Galveston — See "Streets and Roads."

Tex., Liberty — Liberty Co., c/o S. J. Treadway, co. engr., Liberty, soon takes bids 2 span, 160 ft. rein.-con. and steel bridge across Trinity River. $290,000.

Tex., Madisonville—See "Streets and Roads."

Tex., Mt. Vernon—See "Streets and Roads."

Tex., Panhandle — See "Streets and Roads."

Tex., Vernon—Wilbarger Co., c/o J. V. Townsend, Vernon, judge, making plans 1 mi. rein.-con. pile trestle bridge across Pease River, on Highway 5. $200,000. State and Federal Aid granted. J. B. Nabors, Vernon, engr.

Tex., Wichita Falls—See "Streets and Roads."

Okla., Meeker—State Hy. Dept., Oklahoma City, making preliminary plans 1 span 86 ft. steel truss bridge on piers over Boyd Creek, on Road 9, Lincoln Co., west of here. $30,000. J. M. Page, highway engr.

Bids Desired

Mass., Brookline (br. Boston)—June 6, by Bd. Selectmen, City Hall, rebuilding concrete and steel superstructures bridges over Boston & Albany R.R. tracks, on Summer Rd. and Washington St. $25,000 or more. Private plans.

Mass., Salem—June 7, by Comrs. Essex Co., Court House, rebuilding Waters River Bridge, 82 ft. long, rein.-con. and granite, two 20 ft. openings. R. N. Mitchell, chn.

Pa., Phila. — June 6, by C. A. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., steel superstructures for bridges, Contr. 59-1927; and double crossover, Contr. 60-1927.

Pa., Reading—See "Streets and Roads."

Virginia—See "Streets and Roads."

Va., Hopewell—June 21, by City, bridge over Appomattox River, here. R. S. Braden, city mgr.; adv. E. N.-R. June 2.

Tenn., Old Hickory — July 1, at office Davidson Co. Highway Comn., F. M. Dorris, chn., Court House, Nashville, steel and rein.-con. bridge over Cumberland River, near here. Freeland, Roberts & Co., Nashville, engrs.; adv. E. N.-R. June 2. Noted Apr. 14.

O., Dayton—June 22, by F. A. Kilmer, clk. Montgomery Co., Court House, substructure for Bridge 94½ over Stillwater River on Siebenthaler Ave., Harrison Twp. $25,000. W. O. Pease, Dayton, co. surv.

Iowa — June 7, by State Hy. Comn., Ames. **(P. B. P. means Primary Bridge Project)**, one 30 x 20 ft. and three 40 x 20 ft. I-beam, one 24 x 24 ft. slab, and one 90 x 20 ft. pony truss bridge, and 9 box culverts and extensions on P. B. P. 202, Butler Co.; one 70 x 20 ft. and one 50 x 20 ft. pony truss bridges, on P. B. P. 172 and 397, Grundy Co.; one 70 x 20 ft. pony truss bridge with 24 ft. I-beam approaches, one 60 x 20 ft. and one 90 x 20 ft. pony truss bridges on piers, one 25 ft. concrete arch and one 70 x 20 ft. pony truss with 40 ft. I-beam approaches, and one 2 span 90 x 20 ft. pony truss bridge with 40 ft. I-beam approaches, also 52 box culverts and extensions on P. B. P. 96 and 229, Pottawatomie Co.; one 32 x 24 ft. I-beam bridge and 22 culverts and extensions on P. B. P. 392, Floyd Co.; 26 culverts on P. B. P. 388, Monroe Co.; 11 box culverts on P. B. P. 378, Wright Co.; 26 culverts and extensions on P. B. P. 391, Mills Co.; and 6 box culverts on P. B. P. 403, Keokuk Co. R. F. White, ch. highway comr.

Ia., Harlan—June 10, at office Auditor Shelby Co., one 120 x 16 ft., high truss bridge with two 24 ft. I-beam approaches on creosoted wood piling, two pony truss bridges, and one 120 x 18 ft. skew high truss bridge re-erected on pile abutments. F. W. Sarvis, Harlan, co. engr.

Ia., Waukon — June 8, by Auditor Allamakee Co., one 90 x 20 ft. skew and one 70 x 24 ft. pony truss bridges. H. Orr, Waukon, co. engr.

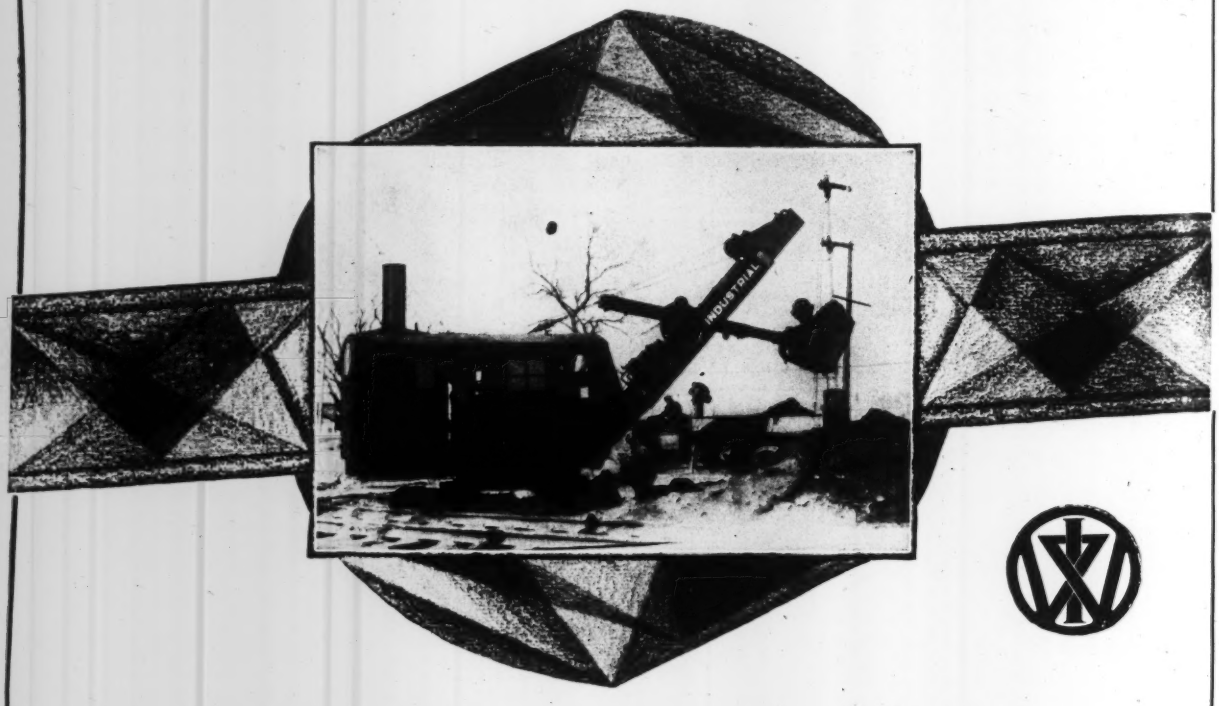
Kan., Cottonwood Falls — June 8, by Clerk Chase Co., 120 ft. steel-span bridge, 120,000 lb. structural steel, etc. H. W. Wilkinson, Cottonwood Falls, co. engr.

Kans., Iola—See "Streets and Roads."

Tex., Alice—See "Streets and Roads."

Tex., Galveston — See "Streets and Roads."

Constr. News page 352



A PART IN THE HIGHWAY

EACH year finds an increased number of motorists traveling the country's highways. Naturally the demand for more and better roads has increased proportionately, and consequently each state's biggest problem is road building.

The cost of pavements and gravel roads is borne by motor vehicle owners who expect much in return.

Contractors who own INDUSTRIAL all purpose crawler shovels are better able to play their part to the satisfaction of the motoring public. Engineering excellence is primarily the answer.

Our field representatives are engineers who know material handling. Why not consult them when an occasion arises. Write or call our nearest branch office.

Gasoline—Steam—Diesel—Semi-Diesel—Electric Cranes—Shovels—Draglines

INDUSTRIAL WORKS, BAY CITY, MICHIGAN

Atlanta, Ga. Hurt Bldg.
Chicago, Ill. McCormick Bldg.
Cincinnati, Ohio Dixie Terminal Bldg.
Detroit, Mich. Book Building
New Orleans, Louisiana Whitney Central Bldg.
New York City 50 Church St.
Philadelphia, Pa. Packard Building
Pittsburgh, Pennsylvania Federal Reserve Building
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange Bldg.
Tampa, Florida 823 S. Oregon Ave.

Bridges (Continued)

Tex., **Seymour**—See "Streets and Roads."

Colorado—See "Streets and Roads."

California—June 13, by State Hy. Comn., Sacramento, eight 35 ft. span rein.-con. girder bridge over Stockton Diversion Canal, San Joaquin Co. R. M. Morton, highway engr.

Calif., **Los Angeles**—June 13, by Supervs. Los Angeles Co., constructing rein.-con. bridge on Ponoma Blvd. over Rio Honda at El Monte, invol. widening present bridge 20 ft., etc. $50,000 or more.

Calif., Oakland—June 13, by G. Gross, clk., Alameda Co., constructing Mission Bridge over Calaveras River, 516,000 lb. reinforcing, 3,100 cu.yd. concrete, 19,500 cu.yd. roadway excav., etc.; also Alameda approach to Estuary Subway, 4 piles, 51,-550 lb. reinforcing, 165 cu.yd. concrete, etc. G. Posey, Oakland, co. surv.

Ont., Paris — June 7, by A. Jackson, engr., Court House, Brantford, 3 span 120 ft. steel bridge, also 89 ft. low truss span bridge in Onondaga Twp., for Brant Co. $50,000. Noted Jan. 27.

Bids Received

Mass., Boston—Metropolitan Dist. Comn., May 26, 454 ft. rein.-con. stone and steel bridge, granite piers, on Savin Hill Ave. to Freeport St., from Aberthaw Co., 80 Federal St., Boston, $457,036. Noted May 19.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, May 25, constructing University Bridge over Schuylkill River, on 34th St., from Dravo Constr. Co., Diamond Bank Bldg., Pittsburgh, $1,288,625. Noted Apr. 28.

Contracts Awarded

Conn., Hartford—City, Street Bd. & Eng. Dept., steel superstructure bridge, Laurel St., to Boston Bridge Wks., 47 Winter St., Boston, Mass., $12,730; masonry and concrete piers, to L. E. McLaughlin, 217 Jefferson Ave., New London, $26,792; and cement mortar coating, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $7,425. Grand total $46,947. Engrs. est. $60,000. Noted May 19.

Kentucky—State Hy. Dept., Frankfort **(F.A.P. means Federal Aid Project)**, to Jenkins Constr. Co., Elizabethtown, 267 ft. rein.-con. viaduct over railroad tracks on Shelby-Louisville Rd., F.A.P. 117-A, at Bonita, Shelby Co. $20,197, grading approaches for same $8,786, also one 62 ft. and two 42 ft. rein.-con. span overhead crossing over railroad tracks F.A.P. 100-B, near Walton Boone Co. $30,023; to Vincennes Bridge Co., Vincennes, Ind., one 164 ft. steel span bridge and concrete floor, also additions to abutments over Tradewater River, F.A.P. 153-C, near Dawson Springs, Caldwell and Hopkins Counties, $17,803; to Farris Bridge Co., Cumberland, Md., rein.-con. substructure for two 164 ft. steel, seven 40 ft. and two 30 ft. rein.-con. approach spans over Levisa Fork of Big Sandy River and railroad tracks F.A.P. 127-D, near Shelby, Pike Co. $59,-967, and to Mt. Vernon Bridge Co., Mt. Vernon, O., two 164 ft. steel spans and concrete floor superstructure for same bridge $31,697. Grand total $168,473. Noted Apr. 7.

O., Akron—Comrs. Summit Co., 1 span rein.-con. slab and girder bridge, on South St., to Purdy Constr. Co., Mansfield, $24,-455. Engrs. est. $30,500. Noted Apr. 28.

Ind., Gary — Chicago, South Shore & South Bend R.R., C. H. Jones, genl. mgr., Michigan City, 66 ft. span double track concrete and steel bridge over Industrial Highway, near here, to S. G. Cool, 128 North Wells St., Chicago, Ill. Engrs. est. $120,000.

Michigan—W. W. Lavers, resident engr., Plymouth, R. Bridge 8,204,053, 75 ft. span, 40 ft. roadway, Wayne Co., to Wabash Ry. Co., Exch. Bldg., St. Louis, Mo., for State Hy. Dept., Lansing. $449,483.

Mich., Jackson—At 829 Greenwood Ave., Jackson, 4 span 181 ft. steel deck girder F. A. Grade Separation Project 3811001, Contr. 1, to Amer. Bridge Co., 2273 Beecher St., Detroit, $7,875; and Contr. 2, to Peninsular Constr. Co., Grand Rapids, $46,729. Noted Apr. 28.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to D. W. Chapman, Vienna, bridge on Route 152, Sect. 104-B Perry Co., $45,039; to Illinois Steel Bridge Co., Jacksonville, bridge on Route 152, Sect. 104-C, Perry Co., $15,279; to H. A. Worman, Pittsfield, bridge on Route 100, Sect. 118-B, Pike Co., $23,112; to A. P. Munsen, Marion, bridges on Route 78, Sect. 104-B, JoDaviess Co. $17,540, on Route 78, Sect. 128-B, Stark Co. $22,778, and on Route 80, Sect. 104-B, Carroll and JoDaviess Counties $49,684; to B. A. Gundlach, Belleville, bridge on Route 4, Sect. J-1, Macoupin Co., $11,864; to W. C. Johnson, Belleville, bridges on Route 121, Sects. 145-B $27,254 and 146-B, $23,469, both Douglas Co. Grand total $236,018. Noted Mar. 31.

Wis., Port Washington—W. J. Ubbink, comr. Ozaukee Co., constructing Mequon Bridge, Div. 2734, to Worden-Allen Co., Port Washington Rd., Milwaukee, $33,029.

Ia., Oskaloosa—Mahaska Co., one I-beam bridge and 40 box culverts, to H. E. Whitlatch, Oskaloosa, $28,230.

Minnesota—State Hy. Comn., St. Paul, concrete and steel Bridge 4175, State Project 5-36-B, Federal Aid Project 345-E over Minnesota River at Shakopee, Scott Co., to Widell Co., Mankato, $140,000; and 620 ft. steel Bridge 4693, State Project 11-34, Federal Aid Project 400-B, near Laurel, Roochiching Co., to Minneapolis Bridge Co., 701 Metropolitan Life Bldg., Minneapolis, $59,874. Noted Apr. 21.

Minn., Little Falls—Morrison Co., constructing Bridge 4434, 198 ft. rein.-con. and steel truss span, etc. over Mississippi River, to Minneapolis Bridge Co., 701 Metropolitan Life Bldg., Minneapolis, $57,300.

South Dakota—See "Streets and Roads."

N. D., Minot—Comrs. Ward Co., constructing concrete bridge, 70 ft. center arch, 20 ft. and 30 ft. end arches, 24 ft. roadway over Mouse River, on 6th St. S. E., to Dakota Concrete Co., Minot, $24,000. Noted Apr. 21.

Mo., St. Louis—Wabash R.R. Co., Ry. Exch. Bldg., 114 ft. concrete and steel bridge, 30 ft. over Vandeventer Ave., on Market St., to P. J. Hannan & Co., Boatmen's Bank Bldg.

Colorado—State Hy. Dept. Denver, steel superstructure bridge over Colorado River, 2 mi. south Hot Sulphur Springs, to Northeastern Constr. Co., Craig, $43,203. Noted May 5.

Washington—State Hy. Comn., Olympia, 70 ft. arch bridge with approaches, two 20 ft. and one 8 ft. slab bridges, to King & Stillwell, 827 Henry Bldg., Seattle, $29,-798; also 70 ft. arch bridge with approaches, one 186 ft. beam and two 20 ft. slab bridges, to Ward Constr. Co., P. O. Box 1146, Tacoma, $43,304, all above between Snoqualmie Pass and Tanner, King Co.

California—State Hy. Dept., Sacramento, three 60 ft. and two 28 ft. span, rein.-con. girder bridge across Pacheco Creek, San Benito Co., to G. J. Ulrich, Modesto, $24,-713. Engrs. est. $28,422.

Calif., Los Angeles—Bd. Pub. Wks., main structure Glendale-Hyperion Viaduct across Los Angeles River, to Lange & Bergstrom, Washington Bldg., $1,068,045.

Dams

Proposed Work

Tex., Marble Falls — Syndicate Power Co. plans 1,200 ft. rein.-con. dam, 40 ft. high, 16 ft. across top, across Colorado River. $250,000 W. S. Arnold, c/o owner, engr.

Que., St. Felicien—Compagne Hydraulique de St. Felicien soon takes bids dams for regulating flow revere de cours. $250,000.

Bids Desired

Calif., Los Angeles—July 11, by Supervs. Los Angeles Co. Flood Control Dist., Hall of Records, constructing San Gabriel Dam at Forks in San Gabriel Canyon. L. E. Lampton, clk.; adv. E. N.-R. June 2.

Railways

Proposed Work

Texas—Eastern Texas Electric Co., c/o G. B. Morgan, div. supt. Port Arthur, making plans improving street traction lines, incl. overhead traction lines, new trackage, new buses, street cars, etc., in Port Arthur. $400,000. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Brownsville—Cameron Co. Irrigation Dist. making plans irrigating 10,000 acres land in Barreda Tract. $500,000. V. L. Conrade, Brownsville, engr.

Tex., Taylor — E. Doak, doctor, plans pumping plant for diversion 500 acre ft. water from San Gabriel River for irrigation purposes. $30,000 incl. equipment and machinery. Private plans.

Contracts Awarded

N. Y., New York—M. Cosgrove, comr. Docks, Pier "A," North River, bulkhead wall for Pier (new) 3, incl. removing old structure, dredging, rip rap, etc., to General Contg. & Eng. Co., 40 Rector St., $114,-996. Noted May 12.

Minn., St. Paul — A. E. Eggert, city purch. agt., 800,000 cu.yd. filling at airport, and approximately 250,000 cu.yd. at River Barge Terminal, to Florida & Southern Dredging Co., St. Petersburg, Fla., $111,000. Noted Apr. 28.

Tex., Donna — Donna Irrigation Dist. Hidalgo Co., irrigation project, motor and pumps, to Dayton Dowd Co., Quincy, Ill., $25,450; pump house, to Dodd & Wedegartner, San Benito, $13,240.

Streets and Roads

Proposed Work

New Hampshire—State Hy. Dept., Concord, plans 3 in. bituminous macadam paving 1.07 mi. Contoocook Valley, 18 ft. $34,-000. A. E. White, Keene, engr.

Mass., Boston—Dept. Pub. Wks. plans laying out and constructing street from Commonwealth Ave. to Ashford St., Brighton and extending Gardner St. as highway, Brighton and Boston Proper. $25,000 or more. J. H. Sullivan, comr.

Mass., Brookline (br. Boston) — Plans macadam paving Winchester St. $25,000 or more. Private plans.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans widening and constructing Center Ave. 40 ft. here. $25,000. J. H. Sullivan, comr.

Mass., Waltham (Ind. br. Boston)—Dept. Pub. Wks., plans reconstructing various streets. $50,000. Private plans.

Pa., Pittsburgh—Making plans grading, repaving and paving South Beatty St. between Baum Blvd. and Penn Ave. $32,500. Dept. Pub. Wks., City County Bldg., engrs.

Ga., Swainsboro—Takes bids in July, improving various streets. $50,000. N. Wingfield, Augusta, engr.

Miss., Laurel—Bd. Supervs. Jones Co. at office Chancery Clerk, takes bids after June 10, grading, clearing, grubbing, bridging, etc. 2.027 mi. Laurel-Meridian Rd., Federal Aid Project 183. H. C. Dietzer, Jackson, engr.

Tennessee—State Dept. Highway & Pub. Wks., Nashville, takes bids about June 18, paving, probably concrete 12.5 mi. Benton-Georgia State line Rd., Polk Co. C. N. Bass, highway engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 17, grading 3 mi. Powell River-Cumberland Gap Rd., Claiborne Co. To exceed $25,000. C. N. Bass, highway comr.

Kentucky—State Hy. Dept., Frankfort **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, plans surfacing 8.5 mi. Mayfield-Fulton Rd., F.A.P. 146-A, Graves Co.; grading, etc. 5 mi. Florence-Warsaw Rd., S.A.P. 13 Boone Co. 5 mi. Florence-Warsaw Rd., S.A.P. 13 Gallatin Co., 3 mi. Beattyville-Jackson Rd., S.A.P. 29 Lee Co., 13 mi. Bosworth Trail, S.A.P. 30 Jackson Co., and 12 mi. Dwarf-Hindman Rd., S.A.P. 152-A Knoth and Perry Counties; also delivering 15,000 tons crushed limestone for traffic bound macadam dumped on road as directed on 10 mi. Springfield-Lawrenceburg Rd., S.A.P. 152-A, Washington Co. E. N. Todd, highway engr.

Ky., Paducah—Plans curbing, guttering and constructing 9 mi. streets and driveways on various streets. $90,000. E. R. Bradshaw, city engr.

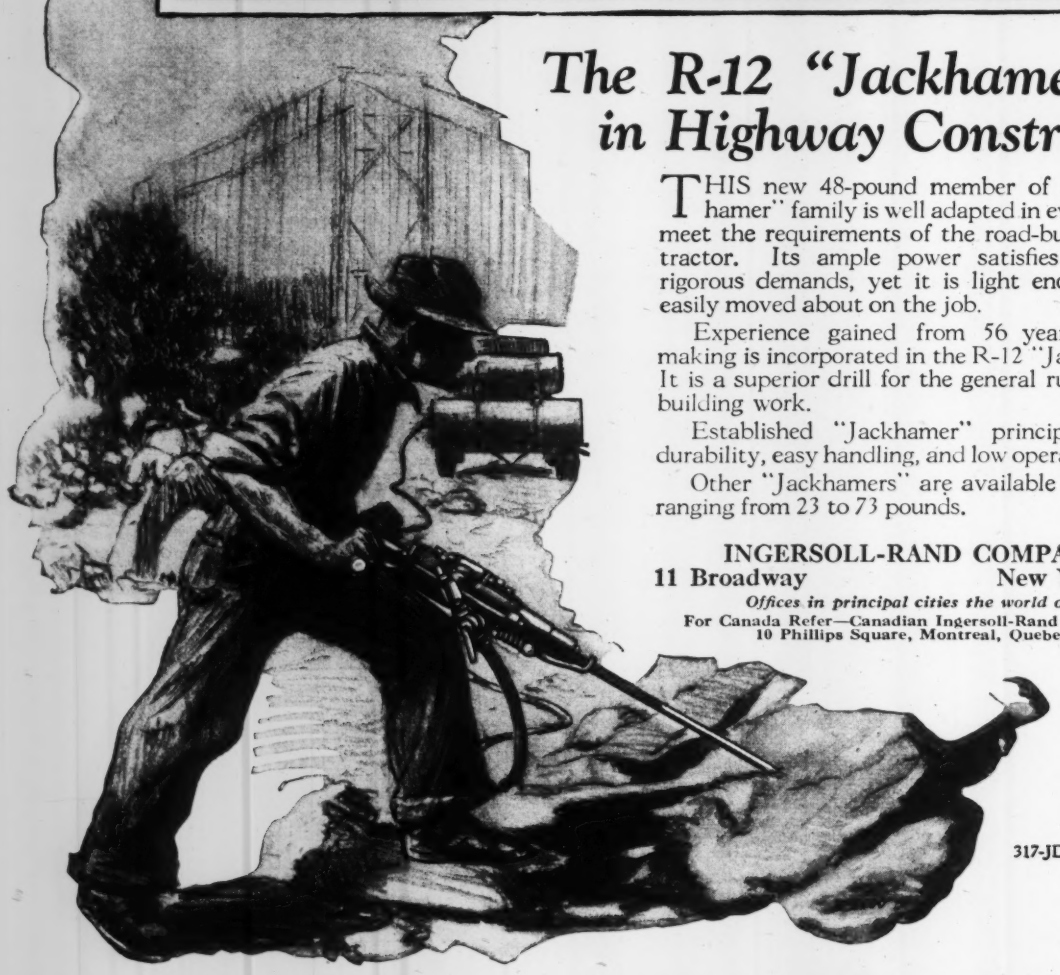
O., Canton—Bd. Control takes bids about July 17, improving Harrison Ave. S. W., from 9th St. to Navarre Rd. $30,000. W. E. Sarver, City Hall, engr.

O., Canton—Bd. Control takes bids about July 24, brick paving, etc., approximately 1 mi. 24th St. N. E., $50,000; also approximately ½ mi. Cherry Ave. N. E., $40,000. W. E. Sarver, City Hall, engr.

O., Canton — Bd. Control takes bids about July 24, brick paving 11th St. N. E., from Cherry St. to Spring Ave. N. E. $25,-000. W. E. Sarver, Canton, engr.

O., Hamilton—G. C. Mitchell, serv. dir., soon takes bids grading and asphalt resurfacing, etc., Central Ave., $79,425; also grading, curbing and brick or asphalt pav-

Constr. News page 353



The R-12 "Jackhamer" in Highway Construction

THIS new 48-pound member of the "Jackhamer" family is well adapted in every way to meet the requirements of the road-building contractor. Its ample power satisfies the most rigorous demands, yet it is light enough to be easily moved about on the job.

Experience gained from 56 years of drill-making is incorporated in the R-12 "Jackhamer." It is a superior drill for the general run of road-building work.

Established "Jackhamer" principles insure durability, easy handling, and low operating costs.

Other "Jackhamers" are available in weights ranging from 23 to 73 pounds.

INGERSOLL-RAND COMPANY
11 Broadway New York City
Offices in principal cities the world over
For Canada Refer—Canadian Ingersoll-Rand Co., Ltd.
10 Phillips Square, Montreal, Quebec

317-JD

Ingersoll-Rand

Streets and Roads (Continued)

ing, etc., 2,800 ft. Ross Ave. $51,626, and Main St. from B St. to Millville Ave. $66,922. W. Willard, Hamilton, engr. Noted Apr. 28.

O., Springfield—Bd. Control takes bids about July 24, paving Bway. Ave. from Isabell St. to Park Rd. $82,852.

O., Steubenville—Comrs. Jefferson Co., Court House, soon take bids tar bound macadam paving 4 mi. Sect. "C" Wills Creek Rd. $60,000. V. N. Penn, Steubenville, engr.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about June 10, concrete paving approximately 6 mi. S. T. L. 43-13, Project 034-17, 20 ft., Ionia Co., for State Hy. Dept., Lansing.

Mich., Saginaw West Side—Bd. Comrs. Saginaw Co. plans selling $380,700 bonds June 3, constructing A. D. Roads 69, 90, 92, 111, 113, 117, 62-B and 116.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Apr. 13, surfacing Route 51, Sect. 103, Cook Co., and Route 51, Sects. 104 and 105, both Will Co. F. T. Sheets, ch. highway engr. Noted Mar. 31.

Ill., Chicago—Cook Co. soon takes bids concrete paving 25 mi. various streets and roads. $1,000,000. G. A. Quinlan, County Bldg., engr.

Ill., Decatur—Plans grading, curbing and asphalt and vibrolithic concrete paving 7 blocks Cantrell, West Olive and Riverview Sts., 28 ft. $35,000. M. P. O'Brien, City Hall, engr.

Ill., Galesburg—Plans grading, curbing, and vitr. brick on concrete paving portions West Berrien and Division Sts. $35,573. A. L. Richey, City Hall, engr.

Ill., Peoria—Plans grading, curbing and rein.-con., paving 9 blocks Washington St. $114,097. W. E. Backes, city engr.

Wis., Sturtevant — Racine Co., E. R. Fisher, comr., Racine, plans concrete paving Wisconsin St. between Highway 120 and Highway 20, here.

Ia., Onawa—Monona Co. voted $1,000,000 bonds, 8 in. concrete paving 40 mi. King of Trails, Highway 75. C. B. Zorn, Onawa, co. engr.

Ia., West Branch—Plans curbing, 6 in. concrete paving 26 blocks and graveling 12 blocks various streets. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Ia., What Cheer—Making plans 6 in. concrete paving 21 blocks various streets. $67,000. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Kan., Baxter Springs — Plans grading, curbing, guttering and rein.-con. paving 10 blocks, also grading, curbing, guttering and gravel surfacing 25 blocks various streets. To exceed $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Kan., Dodge City — Soon takes bids grading, curbing and brick or concrete paving 10½ blocks various streets.

Kan, Eldorado—Plans rein.-con. paving various streets. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Kan., Erie—Neosho Co. plans grading, etc., 10.78 mi. Federal Aid Project 380-A, 30 ft. C. P. Donald, Erie, engr.

Kan., Erie—Neosho Co. soon takes bids grading, etc. 10.78 mi. Federal Aid Project 380-A, 30 ft., also four 20 x 24 ft. slab box span 60 x 20 ft. truss span, and three 8 ft. multiple box span bridges. C. P. McDonald, Court House, engr. Noted May 26. Neosho Co. also awarded contract chat surfacing 7 mi. Kimball Rd., to Du Bois & Co., Pittsburg, $10,994. Noted Apr. 21.

Kan., Manhattan—Riley Co. plans grading, concrete surfacing, etc., 2.679 mi. Federal Aid Project 327-C, 18 ft. R. W. Armstrong, Manhattan, engr.

Kan., Scott City—Scott Co. plans sand clay surfacing 23.944 mi. Federal Aid Project 38-A and B, 30 ft. F. Petefish, Scott City, co. engr.

Kan., Trego—Wakeeney Co. plans sand clay surfacing, etc., 14.223 mi. Federal Aid Project 388-A, 30 ft. H. Harlan, Wakeeney, co. engr.

Kan., Whiting—Plans rein.-con. paving various streets. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Neb., Scottsbluff—Soon takes bids grading, paving, etc., 20th St. between Bway. and 5th Ave. and 3rd Ave. between 20th and 23rd Sts., in Dist. 9; 2nd Ave. between 15th and 27th Sts., also 16th and 17th Sts. between 1st and 2nd Aves., in Dist. 11.

N. D., Dickinson—Comrs. Stark Co. making plans constructing 30 mi. Federal Aid Road. $90,000. A. S. Ward, Dickinson, co. aud.

N. D., Fargo—Making plans 6 in. concrete paving, etc., 50,000 yd. 1st, 2nd, 3rd, 4th and 5th Sts., 7th, 8th, 9th, 10th, 12th and 13th Aves. $100,000. W. P. Tarbell, city engr.

Mo., St. Louis — Bd. Pub. Serv., 208 City Hall, takes bids in July or August, asphaltic concrete paving 1,075 sq.yd. Hereford St., $7,260, 2,125 sq.yd. Finkman St., $12,900, 2,270 sq.yd. Gresham St., $14,000, 2,460 sq.yd. Rhodes Ave., $17,900, 1,785 sq. yd. Carlsbad St., $12,200, 1,935 sq.yd. Concordia St., $12,500, 2,680 sq.yd. Spring St., $16,900, and 1,150 sq.yd. Oxford Lane, $7,700; asphalt paving 4,005 sq.yd. Macklind Ave., $25,400; warrenite paving, etc., 2,615 sq.yd. Itaska Ave., $17,700, and 1,630 sq.yd. Reber Pl., $14,000; amiesite paving, etc., 710 sq.yd. 58th St., $5,100; and concrete paving, etc., 300 sq.yd. Delor St., $10,500, and approximately 4,917 sq.yd. alleys in City Blocks 4892, 2823, 3602, 3605, and 4016, $17,240. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans amiesite, warrenite or asphalt paving Enright Ave. between Grand and Vandeventer Aves., $39,500, and Euclid Ave. between Easton Ave. and Union R.R. tracks, $21,500, amiesite, warrenite, asphalt or brick paving Euclid Ave. between Union R.R. tracks and alley in City Block 4493-B, $14,300 to $16,400, and Euclid Ave. between alley in City Block 4493-B and North Cote Brilliante Ave. $9,600-$11,300; asphalt, and asphalt, amiesite, asphaltic concrete, rein.-con. or warrenite paving Osceola Ave. between Grand Ave. and Cleveland subdivision, $25,600-$27,900. W. W. Horner, 300 City Hall, engr.

Mo., Springfield—Soon takes bids curbing and paving 3,645 sq.yd. Blaine St. and 13,639 sq.yd. Kimbrough St.; paving 6,850 sq.yd. Lynn St., 824 sq.yd. alley west of Campbell St., and 1,414 sq.yd. Fremont Ave. S. R. Fisher, City Hall, engr.

Mo., Springfield—Plans curbing, guttering and paving approximately 17,000 sq.yd. various streets. R. S. Fisher, city engr.

Tex., Abilene—See "Unclassified."

Tex., Amarillo—Potter Co. voted $500,000 bonds, constructing 35 mi. highway. S. B. Motlow, Amarillo, judge. Noted Apr. 7.

Tex., Beaumont—Gist Realty Co., Port Arthur, soon takes bids developing Edgemore addition, incl. paving $30,000 sewers $25,000, and waterworks $25,000. Private plans.

Tex., Brackettville—Kinney Co. making plans grading, bridging 19 mi. Highway 3, $86,350. W. F. Hutson, Brackettville, engr.

Tex., Brownsville—See "Unclassified."

Tex., Cameron—Milam Co. making plans grading, bridging and gravel surfacing 6 mi. Highway 43, 18 ft. $125,000. A. F. Mitchell, Cameron, co. engr.

Tex., Cuero—DeWitt Co. making plans grading, bridging, asphalt on gravel paving 4.5 mi. Highway 72, 18 ft. $85,500. S. H. Guiledge, Cuero, engr.

Tex., Galveston — Galveston Co. made plans grading, bridging, rein.-con. paving, etc., 4.96 mi. Highway 6, 20 ft. $223,000. C. C. Washington, Galveston, engr.

Tex., Hearne — Voted $35,000 bonds, paving various streets. Address Mayor. Noted May 12.

Tex., Laredo—Takes bids within 60 days, curbing, guttering and paving, etc., 40 blocks various streets. $250,000. T H. Webb, city engr.

Tex., Laredo—Webb Co. made plans and soon takes bids rein.-con. paving 10.782 mi. Highway 12-A, Federal Aid Project 436-A extending east from city limits of Laredo, 18 ft., $295,000; also improving 1.238 mi. same road Federal Aid Project 436-C. $25,000. T. E. Huffman, Laredo, engr.

Tex., Madisonville—Madison Co. making plans grading, bridging, etc., 6.5 mi. Highway 21, 26 ft. $49,000 S. S. Strahan, Madisonville, engr.

Tex., McLean—See "Unclassified."

Tex., Mission — Voted $40,000 bonds, permanent paving various streets. Address L. Dohrn, mayor.

Tex., Mt. Vernon—Franklin Co. making plans grading, bridging and gravel surfacing 34 mi. Highway 66, 18 ft. $200,000. Address B. O. Shurtleff, Mt. Vernon, co. judge.

Tex., Panhandle—Carson Co. soon takes bids grading, bridging, etc. 9.83 mi. Highway 33 from Potter Co. line northeast through Lee to Sta. 518-00, $30,000; also 10.26 mi. same road from Sta. 518 extending through Panhandle to Sta. 1040, $33,600. L. O. Cox, Panhandle, engr.

Tex., Panhandle—Voted $65,000 bonds, permanent paving various streets. Address Mayor. Noted Mar. 24.

Tex., San Angelo—See "Unclassified."

Okla., Chickasha—Grady Co. made plans sheet asphalt surfacing 52,500 sq.yd. Tuttle-Amber Rd. $65,000. P. A. Little, Chickasha, engr.

Okla., Shawnee—Plans grading, curbing and concrete paving 13,200 sq.yd. Ridgewood Ave. $42,600. Archer & Co., 612 New England Bldg., Kansas City, Mo., engrs.

Okla., Watonga—Plans grading and paving 21,000 sq.yd. Blaine Ave. $66,000. C. A. Wood, Stillwater, Okla., engr.

California—State Hy. Dept., Sacramento, making plans reconstructing 18.48 mi. roadway, Kern Co.; 10.73 mi. roadway between Pismo and San Luis Obispo, San Luis Obispo Co.; 5.68 mi. roadway point 1 mi. north Galivan to point 6 2/3 mi. northerly, Orange Co.; 4.45 mi. roadway between Warm Springs and Milpitas, Alameda and Santa Clara Counties; and 3.08 mi. roadway between Sylvan School and Roseville, Sacramento and Placer Counties. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Los Angeles—Los Angeles Co. made plans grading, curbing, guttering, walks and 6- to 8-in. concrete paving, etc., 75,024 sq.ft. Walnut Dr. Impvt. 599, $26,850; also grading, and 6- to 8-in. concrete paving, etc., 216,405 sq.ft. Valley View Ave., Rd. Dist. 305. G. W. Jones, Hall of Records, Co. engr.

Calif., Los Angeles—Los Angeles Co. made plans improving Snowden Rd., etc., Rd. Dist. Impvt. 289, 28,974 cu.yd. excav., 20,301 cu.yd. borrow, 20,990 ft. shoulders, 117,000 ft. 6- and 10-in. shoulders, 575,971 sq.ft. 4 in. asphaltic concrete paving, 575,971 sq.ft. Durite surfacing, 21,450 sq.ft. 8 in. paving, 600,372 sq.ft. 6 in. oil and rock surfacing, etc. To exceed $250,000.

Calif., San Diego—Common Council plans grading, curbing, walks and 5 in. concrete paving, etc. 93,895 sq.ft. Orange Ave., etc. F. A. Rhodes, city engr.

Calif., San Diego — Bd. Supervs. San Diego Co., plans grading and 6 in. concrete paving, etc., 77,863 sq.ft. Buena Vista St. P. R. Watson, Spreckels Bldg., engr.

Calif., Santa Barbara — Making plans paving, etc., Cota, Jennings, and Quarantina Sts., etc. $100,000 or more.

Calif., Santa Monica—Making plans 6 in. asphaltic concrete paving and 2 in. Willite surfacing, etc. Palisades Beach Rd. To exceed $25,000. H. B. Carter, city engr. Noted Mar. 10.

Calif., Woodland—Yolo Co. plans paving 3 mi. Winters-Madison Highway. A. Proctor, Woodland, co. surv.

Ont., Preston—Town Council soon takes bids concrete curbing, guttering and sheet asphalt, concrete or bitulithic paving 5,000 ft. Duke, Argyle and Vine Sts. $25,000. G. S. McKenzie, Town Hall, engr.

Bids Desired

Massachusetts—June 14, by Dept. Pub. Wks., Boston, bituminous macadam paving 10,154 ft. highway in Fitchburg and Lunenberg. W. F. Williams, comr.

Mass., Boylston (mail Boylston Centre), **Mass.**—June 7, by Dept. Pub. Wks., Boston, bituminous macadam paving 5,850 ft. highway, here. W. F. Williams, comr.

Mass., Brookline (br. Boston)—June 6, by Bd. Selectmen, City Hall, bituminous macadam paving Winchester St. from Fuller St., to town line. $25,000 or more. Private plans.

R. I., South Kingstown (mail Kingston)—June 6, by W. T. Stedman, Town Clerks Office, Wakefield, bituminous macadam, penetration, trap rock paving 1.65 mi. Sweetfern Lane, Narragansett and Allen Aves., Winter, Whitford and Austin Sts., Contr. 1, also Orchard Ave. Contr. 2. $25,000.

Conn., Bristol—June 7, by City, curbing, guttering and 4,000 sq.ft. concrete walks on Muzzy St. C. W. Buell, 175 Main St., engr.

Conn., Meriden — Taking bids replacing all wood block paving with sheet asphalt various streets. To exceed $25,000. C. P. Prann, City Hall, engr.

N. Y., Brooklyn—June 7, by Park Bd., W. R. Herrick, pres., at office Dept. Parks, Arsenal Bldg., Central Park, New York City, improving Shore Rd. Dr. between 69th and 83rd Sts., here.

N. Y., Buffalo — June 6, by Dept. Pub. Wks., J. J. Love, comr., Municipal Bldg., repaving Progressive St.; widening Seneca St.; paving Dunlop and Clemo Sts., Ladner, Minnesota, Starin and Lawn Aves.

N. Y., Freeport—June 10, by Bd. Village Trustees, 50 West Merrick Rd., permanent paving 46,200 sq.yd. various streets. Baldwin & Cornelius, Inc., 117 West Sunrise Highway, engrs.; adv. E. N.-R. June 2.

N. Y., Long Island City—June 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sheet asphalt on macadam

Constr. News page 354

Streets and Roads (Continued)

paving Jericho Turnpike; granite block on sand paving Mills St.; sheet asphalt on concrete paving Union Turnpike and Rockaway Blvd., Cooper (Deyo St.), 107th (Roanoke) and 53rd (Tory Ave.) Aves., etc., 78th and 112th Sts.; and grading, etc., Pitkin, and 107th (Roanoke) Aves., 112th St., etc.

New Jersey — June 20, by State Hy. Dept., Trenton, grading and rein.-con. paving 10,628 sq.yd. Route 18, Sect. 6, Lemoine Avenue extension, Bergen Co. A. L. Grover, ch. clk.; adv. E. N.-R. June 2.

Pa., Coraopolis—June 6, by W. E. Cain, boro clk., grading, curbing, paving, etc., 25,650 sq.yd. various streets. $75,000. Edeburn Cooper Co., 1210 Bergen Bldg., Pittsburgh, engrs.

Pa., Meadville—June 14, by G. S. Maxwell, city clk., 3 in. vertical fibre brick on concrete paving, etc. approximately 8,800 sq.yd. various streets. R. L. Phillips, city engr.

Pa., Phila.—June 7, by Dept. Pub. Wks., Bureau of Highways, improving Frankford Ave between Bridge and Longshore Sts. G. H. Biles, dir.

Pa., Reading—June 15, by City Council, grading approximately 3 mi. roads, Contr. 49; also constructing rein.-con. arch bridge, Contr. 48. A. R. O'Reilly, ch. engr. Bureau Water; adv. E. E.-R. June 2.

Maryland—June 14, by Dept. Pub. Wks., State Roads Comn., Baltimore, sheet asphalt paving, etc. 0.07 mi. Baltimore City, Contr. BC-69; also concrete paving, etc. 1.2 and 1.4 mi. Contr. Ho-44 Howard Co., and 1.1 mi. Contr. Wi-44, Wicomico Co. J. N. Mackall, chn.; adv. E. N.-R. June 2.

Virginia—June 17, by State Hy. Comn., Richmond, improving streets, roads and bridges in Projects F-84-B, F-134-F, S-225-A, S-280-A, S-395, F-396 and S-503. C. S. Mullen, highway engr.; adv. E. N.-R. June 2.

Va., Richmond—June 7, by Director Pub. Wks., paving 4 mi. Camberlayne Ave., Petersburg Turnpike, Hull St., etc. $217,000.

W. Va., Morgantown—June 9, by Monongalia Co. Court, Court House, grading, concrete or bituminous macadam paving, etc., 4.2 mi. State Route 7, Clay Dist. J. M. Gregg, co. clk.

Florida—June 21, by State Road Dept., Tallahassee **(P. means Project and R. Road)** surface treating and 8 in. Florida lime rock paving 9.77 mi. F.A.P. 50-B, and 10.3 mi. F.A.P. 50-C, both R. 14 Putnam Co. and 9.28 mi. P. 619, R. 5, Alachua Co.; clearing, grubbing and grading 5.45 mi. F.A.P. 6, R. 1 Madison Co., 16.77 mi. F.A.P. 55, and 7.65 mi. P. 742, R. 13, both Alachua Co., 0.148 mi. P. 697, R. 1 Escambia Co., 12.09 mi. P. 706-A, R. 28 Putman Co., also 10.2 mi. and 3.7 mi. P. 714 and P. 715, both R. 28, Union Co. J. L. Cresap, state highway engr.

Fla., Jacksonville — June 13, by City Comn., M. Bishop, secy., bituminous, asphaltic concrete, sheet asphalt and concrete paving streets in Ordinance Numbers S-81, S-87, S-89, S-95, S-123, S-128, S-129, S-130, S-131, S-153, S-154, S-155, S-156 and S-157. W. E. Sheddan, city engr.

Ala., Birmingham — June 27, by City Com., curbing, guttering, walks and 2 in. asphalt on 5 in. concrete paving 3 blocks Ave. T, and 31st St., Ensley, $16,300; also 2 blocks 3rd Ave. S., $16,600. A. J. Hawkins, city engr.

Miss., Duck Hill—June 7, by Mayor and Bd. Aldermen, grading, curbing, sewers and concrete paving 7,500 sq.yd. various streets. M. L. Culley, 1st Natl. Bank Bldg., Jackson, consult. engr.

Miss., Oxford — June 7, by City Clerk, grading, curbing, guttering, removing 14,000 sq.yd. gravel, sewers, paving, etc. 30,000 sq.yd. 11 various streets. J. B. Brown, City Hall, engr.

Ky., Erlanger—June 15, by Town Council, Town Hall, grading and paving Clay, Center and Locust Sts. R. Skiff, civil engr.; adv. E. N.-R. June 2.

Ky., Fulton — June 6, by T. Chapman, city clk., grading, curbing, guttering, paving, etc. 23,838 sq.yd. various streets. Black & Veatch, 811 City Natl. Bank Bldg., Paducah, Ky., and Mutual Bldg., Kansas City, Mo., engrs. Noted Apr. 14.

O., Akron—June 6, by W. F. Peters, dir. Pub. Serv., grading, curbing, resurfacing, walks and sheet asphalt paving, etc. 18,565 sq.yd. Bowery St. $109,800. E. A. Kemmler, Municipal Bldg., engr.

O., Cincinnati—June 10, by Comrs. Hamilton Co., tar surfacing 37 mi. various roads, 175,000 gal. Grade II tar, and 5,200 cu.yd. sand. $46,383. E. A. Gast, Court House, engr.

O., Cincinnati — June 17, by Comrs. Hamilton Co., surface treating 40 mi. various roads, 13,000 gal. heavy oil and 3,400 cu.yd. sand. $25,315. E. A. Gast, Court House, engr.

O., Columbus—June 10, by Bd. Comrs. Franklin Co., grading and paving 2.915 mi. Wildwood Dr. and Briar Rose Ave. Roads in Blendon Twp., bituminous concrete $150,400, sheet asphalt $131,800.

O., Columbus—June 21, by Bd. Comrs. Franklin Co., grading and waterbound macadam paving, etc., 0.472 mi. Ferris Rd. in Mifflin Twp. $10,008; and 1.989 mi. Cooper Rd., Blendon Twp., $52,128. C. C. Lattimer, co. surv.

Ind., Anderson—July 15, by City, curbing and concrete paving 1 mi. 28th, and 27th Sts. in Elwood, 30 ft. $30,000, and 2¾ mi. Brock Rd. in Pipecreek Twp., 18 ft. $55,000; also brick or concrete paving 1 mi. various streets in Frankton, 20 ft. $25,000. A. Steele, Court House, engr.

Ind., Bloomfield — June 9, by Bd. Town Trustees, at office A. G. Pate, grading concrete paving, etc. Seminary St. $38,705; granite block paving, etc. North Washington St. $23,311; and wood block or brick paving, etc. Mill St. $7,712.

Ind., Brazil—June 7, by Bd. Comrs. Clay Co., grading, gravel and stone paving Henry Youngblood et al Rd., Jackson Twp.; and gravel and crushed limestone paving Frank Albright et al Rd., Sugar Ridge and Perry Twps. $35,000. R. E. Barnhart, Brazil, aud.

Ind., Crawfordsville—June 7, by Comrs. Montgomery Co., concrete, brick or asphalt paving Bowers Rd. $74,854, Cox Conrar-Dowden Rd. $34,608, and Mangus Rd. $52,447. B. E. May, Crawfordsville, aud.

Ind., Danville—June 3, by Bd. Comrs. Hendricks Co., constructing 1,332 ft. Omer Leak Rd., Union Twp., 13,379 ft. Albert Sheets Rd., Guilford Twp., and 9,241 ft. Robert I. Benniett Rd., Middle Twp. $41,000. F. L. Whicker, Danville, aud.

Michigan — June 7, by H. C. Fleming, resident engr., Grand Rapids, graveling 7.985 mi. T. L. 43-2 A and B, 34-15 and 8-8, Contr. 2. Eaton and Ionia Counties, for State Hy. Dept., Lansing.

Mich., Flint—June 7, by Comrs. Genesee Co., graveling approximately 1¾ mi. Cook Rd. and 1 mi. Hill Rd. Assessment Dist. Rd. 79, both in Mundy Twp., 3 mi. Cook Rd. Assessment Dist. Rd. 80 Grand Blance Twp., 2½ mi. Vassar Rd. Assessment Dist. 81, and 1 mi. Vassar Rd. Assessment Dist. 82, between Burton and Davison Twps.; also rein.-con. paving ½ mi. roads in Goodrich, and ¾ mi. in Atlas, both Atlas Twp.

Ill., Niles Center—June 6, by City, concrete paving East Prairie Rd., water stubs on Gable and North East Ave. $25,300. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., Park Ridge—June 6, by City, concrete paving Western and Ashland Aves. $37,700. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., Peoria — June 6, by Bd. Local Impvts., City Hall, grading, curbing, guttering and concrete paving 12,800 sq.yd. East Covington Ave., $42,807; and 1,750 sq.yd. Hillyer Pl., $6,121. W. E. Backes, City Hall, engr.

Ill., Riverside—June 6, by City, concrete paving 19,000 sq.yd. Akenside, Kemp Rd. and Quincy Sts. $95,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs. Noted Feb. 17.

Wisconsin—June 7, by State Hy. Comn., Division Office 6, 213 South Barstow St., Eau Claire, grading, graveling, etc., 4.013 cu.yd. Fairchild Neillsville Cut-off, Federal Aid Project 402-A, Clark Co. W. F. Baumgartner, div. engr.

Wis., Juneau—June 9, by E. C. Nitschke, highway comr. Dodge Co., graveling 29,000 cu.yd. various roads.

Iowa — June 7, by State Hy. Comn., Ames, graveling portion Primary Road 16 Boone Co., and portion U. S. Highway 30 Crawford Co.; grading portions Federal Aid Project 271 Floyd Co., Primary Project 479 Mills Co., Primary Projects 22 and 297 Pottawatomie Co., and Primary Project 407 Story Co.; furnishing 1,400 ft. culvert pipe for use on Federal Aid Project 145, Guthrie Co., and tile drainage of borrow pit near Martensdale, Primary Project 404, Warren Co. R. F. White, ch. highway comr.

Ia., Algona—June 9, at office Auditor Kossuth Co., maintenance graveling Project M-861, 8,450 cu.yd. gravel 1 mi. haul, 41,975 units overhaul, etc. H. M. Smith, Algona, maintenance supt.

Ia., Earlham—June 7, by E. L. Scar, city clk., rein.-con., brick vibrolithic, bitulithic or sheet asphalt paving 15,800 sq.yd. various streets. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Kan., Iola—June 9, by Clerk Allen Co., macadam surfacing 13.22 mi. roads, 62,000 gal. bituminous material, 2,100 cu.yd. chips, etc. L. Noftzger, Iola, co. engr.

Ia., Muscatine—June 9, by City Clerk, City Hall, 6 in. concrete paving 11,0[illegible]d various streets. $25,000. H. H. Fitz[illegible]ld, city engr.

Ia., Onawa—June 8, by Auditor M[illegible]na Co., grading, etc., 4.61 mi. Onawa-D[illegible]ur Rd.

Ia., Webster City — June 10, at office Auditor Hamilton Co., graveling, etc., 6.165 mi. Primary Project 217.

Minn., Winona—June 6, by City, C. W. Hofmann, recdr., paving, etc. approximately 19,000 sq.yd. 2nd St. $50,000. Former bids rejected. E. E. Chadwick, city engr. Noted May 12.

Kan., Kansas City — June 6, by Clerk Wyandotte Co., improving 3.872 mi. Leavenworth Rd., 18 ft. O. K. Williamson, Kansas City, engr.

Kan., Russell—June 9, by Clerk Russell Co., grading, etc. 41,944 cu.yd. Sect. E, Federal Aid Project 301. F. S. Gilmore, Court House, engr. Noted May 5.

Mo., Kansas City—June 6, at office City Manager, concrete, brick or asphalt repaving Main St. between 12th and 20th Sts. R. Waddell, city engr.

Tex., Albany — Shackelford Co. taking bids asphaltic macadam paving 13.596 mi. Highway 18, Federal Aid Project 477-B, Unit 2. $215,000. State and Federal Aid granted. J. E. Pirle, Albany, co. engr.

Tex., Alice — June 13, by Comrs. Jim Wells Co., grading, bridging 9.788 mi. Highway 12-A, Federal Aid Project 424-D, Unit 1. $52,000. J. J. Estill, Alice, resident engr.

Tex., Galveston—Galveston Co. taking bids grading, bridging, rein.-con. paving, etc. 3.31 mi. Highway 6, Federal Aid Project 466-E. $160,725. Address E. B. Holman, Galveston, co. judge. Noted Mar. 10.

Tex., San Antonio — See "Contracts Awarded."

Tex., Seymour—Baylor Co. taking bids grading and bridging 20.589 mi. Highway 24, Federal Aid Project 454-A, Unit 1. $132,500. J. G. Rollins, Seymour, engr.

Tex., Weatherford—June 13, by Parker Co., grading and bridging 5.47 mi. Highway 10, Federal Aid Project 300-D. $60,000. Address Co. Judge, Weatherford.

Okla., Blackwell—June 7, by D. Randall, city clk., grading, curbing and vertical fibre brick paving 27,700 sq.yd. Dist. 39. $109,921. W. Ritzhaupt, Blackwell, engr.

Colorado — June 7, by State Hy. Dept., Denver, concrete paving 16,120 sq.yd. State Highways 1 and 7, Federal Aid Project 251-B, Constr. Div. 2, and Federal Aid Project 241 D., Constr. Divs. 1 and 2, Boulder Co., also three 43 ft. span timber truss bridge on log substructure, on State Project 531 (1926), Douglas Co. L. D. Blauvelt, Denver, engr.

California—June 13, by State Hy. Comn., Sacramento, grading, concrete and bituminous macadam paving, etc. 0.8 mi. at Del Mar, San Diego Co.; also concrete paving 1.5 mi. roadway between Colma and Cypress Lawn Cemetary, San Mateo Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Culver City — N. B. Haus, city clk., taking bids grading, curbing, walks and vibrolithic concrete paving, etc., Centinela Ave., etc. To exceed $25,000. H. O. Hanford, city engr.

Calif., Elsinore—C. J. Kalina, city clk. taking bids curbing, guttering, walks and 2 in. Willite on 3 in. asphaltic concrete paving, etc., 126,062 sq.ft. Pottery St., etc. G. Graham, city engr. Noted May 19.

Calif., Hawthorne—S. V. Fraser, city clk., taking bids grading, curbing, walks and asphaltic concrete paving, etc., Main and New Hampshire Aves., etc. To exceed $25,000. Noted May 5.

Calif., Martinez—June 20, by Supervs. Contra Costa Co., oiling, etc., 14,250 sq.yd. roadway from Concord to Cowell Cement Wks., Div. 4. R. R. Arnold, Martinez, co. surv.

Calif., Oakland—F. C. Merritt, city clk. taking bids grading and 2 in. Warrenite on 6 in. concrete paving 126,720 sq.ft. Hollywood Blvd. W. W. Harmon, city engr.

Ontario—June 4, by R. M. Smith, ch. engr. and acting deputy minister of highways, Parliament Bldgs., Toronto, grading, ditching, traffic bound macadam paving, etc., 38.5 mi. Provincial Highways, $680,000; and oil surface treating 108.85 mi. Provincial Highways, $100,000.

Ont., Hamilton — See "Contracts Awarded."

Ont., St. Catharines — See "Contracts Awarded."

Que., Cap de la Madeleine—June 6, by R. Morrissette, engr., Cap de la Madeleine, 60,000 ft. concrete sidewalks on various streets, for City. $60,000. Noted Apr. 28.

Contracts Awarded

Maine—State Hy. Dept., Augusta, concrete paving 2.29 mi. highway in Hampden

Constr. News page 354a

Streets and Roads (Continued)

to B. Perini & Son, Ashland, $97,217, 3.89 mi. in Trenton to C. Bianchi, Framingham, $188,799, 3.79 mi. in Kittery and York to Bruno & Pettiti, 18 Tremont St., Boston, Mass., $253,839; gravel surfacing 1.44 mi. in Ellsworth and Dedham to M. I. Rogers, Bangor, $43,410, and 2.34 mi. in Saco and Biddeford to R. J. Murphy, Somerville, Mass., $37,002. Grand total $676,706. Noted May 12.

Massachusetts—State Hy. Dept., Boston, paving 2.767 mi. Project 159-C, Bristol Co., to J. McCormick, East Providence, R. I., $156,031.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 9,665 ft. highway in Medford and Somerville to J. H. Fannon, 39 Powder Terrace, West Somerville, $87,175, 5,954 ft. in Barnstable and Yarmouth, to A. Carchia & Son, Marshfield, $32,822, 3,089 ft. in Southborough to Catanese Constr. Co., 151 Harrison Ave., Fitchburg, $24,896, 2,300 ft. in Lee, to B. Perini & Son, Ashland, $16,629, 16,320 ft. in Gloucester and Rockport, to New Haven Road & Constr. Co., 70 College St., New Haven, Conn., $97,757; and steel truss bridge and approaches on section highway in Sandisfield, to C. I. Hosmer, 40 Prospect St., Turners Falls, $67,288. Grand total $321,463. Noted May 12.

Mass., Arlington (br. Boston) — Constructing various streets, to Coleman Bros., Inc., 245 State St., Boston, $118,000. Noted May 19.

Mass., Concord—Road Comrs., extending Pine St., Concord Junction, to T. F. McGovern, Southbridge, also wooden pile bridge at Pine St., to Rendle Corp., Chelsea. Engrs. est. $25,000. Noted May 12.

Mass., Winthrop—Gravel and bituminous macadam paving various streets, to Coleman Bros., Inc., 245 State St., Boston. Engrs. est. $25,000. Noted May 5.

New York—A. W. Brandt, comr. Highways, Albany **(e.e. means engineers estimate)**, reconstructing 0.18 mi. Repair Contr. 1591, Highway 616 Trumansburg-Ithaca Rd., Tompkins Co., to A. C. Bailey, Phillipsburg, Pa. $37,413 e.e. $45,589; 7.98 mi. Repair Contr. 1599, Highway 962, Bridgeport-Lakeport Rd., 1022 Lakeport-Oneida Lake Rd., Madison Co., to Connell & Laub, Dayton, O., $357,047 e.e. $453,937; 3.47 mi. Highway 8278, Cutting-Clymer Rd., Repair Contr. 1595, Highway 939, Cutting-French Creek Rd., Chautauqua Co., to Schreier Contg. Co., Inc., 1279 Fillmore Ave., Buffalo, $195,967 e.e. $263,740; 4.36 mi. Highway 1757, Newark-Sodus Rd. Part 2, Wayne Co., to Rochester Concrete Constr. Co., Rochester, $160,936 e.e. $217,-933; 3.34 mi. Southern State Parkway, Sect. 2, Part 1, Nassau Co., to C. H. Earle, Inc., Med. and Delaware Aves., Atlantic City, N. J., $399,855 e.e. $426,082; 7.38 mi. Repair Contr. 1589 Highway 5195, Vroomans-Howes Cave Rd., Highway 5286 Howes Cave-Cobleskill Rd., Schoharie Co., to S. A. Scullen, Inc., Cohoes, $399,984 e.e. $503,768; 5.14 mi. Repair Contr. 3167-1608, Highway 5150, Peekskill-Fishkill Rd., Part 5, 5154 Fishkill Village-Wappingers Falls Rd., Dutchess Co., to Spoor-Yaksher Co., Inc., 16 Cannon St., Poughkeepsie, $485,017 e.e. $603,613; 3.28 mi. Repair Contr 1604 Highway 975, Perry Village, 854 Castile Center-Perry Center, Wyoming Co., to C. A. Foote & Son, Mt. Morris, $183,834 e.e. $242,635; 3.34 mi. Repair Contr. 1594, Highway 505, Norwich-North Norwich Rd., 5121 North Norwich-Sherburne Rd., Chenango Co., to J. F. Paddleford, Sherburne, $151,594 e.e. $195,340; 7.74 mi. Repair Contr. 1601, Highway 1176, Ticonderoga-Crown Point Rd., Part 2, 841, Crown Point-Port Henry Rd., 1017 Port Henry-Westport Rd., Essex Co., to Armstrong & Trowbridge, Inc., Middletown, $319,664 e.e. $424,755; 2.32 mi. Repair Contr. 3166, Highway 5387, Peekskill-Fishkill Rd. Part 2, Putnam Co., to J. Mascetti Co., Torrington, Conn., $169,555 e.e. $213,806; 0.38 mi. Repair Contr. 3168, highway 5363, Peekskill-Village, 5147 Peekskill Village-Fishkill Rd. Part 1, Westchester Co., to Lowell Grossman Co., Poughkeepsie, $57,883 e.e. $59,592; 2.36 mi. Repair Contr. 1598, Highway 475, Suspension Bridge Lewiston, 5590 Lewiston-Heights-Lewiston Rd., Niagara Co., to J. F. McKinney Corp., Nigara Falls, $217,721 e.e. $286,344; 4.65 mi. Repair Contr. 1600, Highway 668, Bainbridge-East Guilford Rd., 5216 Bainbridge-Unadilla Rd. Part 2, 5202 Unadilla Village, 708 Sidney-Unadilla Rd., 8145 Sidney-Unadilla Rd., to Law Bros., Herkimer, $316,384 e.e. $413,412; 2.27 mi. Repair Contr. 1592, Highway 153, Newburgh-Campbell Hall Rd., Orange Co., to M. C. Tryon, Herkimer, $99,681 e.e. $131,633; 3.2 mi. Repair Contr. 1593, Highway 414, Scotts Corners-Burnside Rd., Orange Co., to J. Arborio, 59 Center St., New Haven, Conn., $146,322 e.e. $187,874; 2.24 mi. Repair Contr. 1602, Highway 399, Latta, Monroe Co., to Greenfield & Harding, 153 Maple St., Hornell, $95,526 e.e. $134,-796; 0.28 mi. Repair Contr. 1609, Highway 5145, Batavia-Stafford Rd., Genesee Co., to T. J. Dailey Constr. Co., Inc., Batavia, $17,274 e.e. $25,384; 0.18 mi. Repair Contr. 1588, Highway 1077, Newark Valley-Berkshire Rd. Part 1, Tioga Co., to J. O. Fitzpatrick & Son, Watertown, $19,467 e.e. $25,125; 7.8 mi. Highway 1758, Greenwood-Jasper Rd., Steuben Co., and 4.15 mi. Parts 1 and 2 5.04 mi. Part 3 Highway 8280, Dalton-Canaseraga Rd., Allegany and Livingston Counties, to H. E. Bunce, Olean, $440,354 and $407,023 respectively, e.e. $588,380 and $543,456 respectively; 1.04 mi. Repair Contr. 1607, Highway 726, Chittanango-Oneida Rd. Part 2, Madison Co., to F. J. Cadin, Syracuse, $46,405 e.e. $56,484; 5.64 mi. Highway 8279, Lebanon Springs-Stephentown Rd., Columbia and Rensselaer Counties, to New York Willite Pavement Corp., 34 State St., Rochester $265,309 e.e. $353,209. Grand total $4,-990,215. Noted Apr. 28 and May 5.

New York—A. W. Brandt, comr. Highways, Albany, reconstructing 7.54 mi. Repair Contr. 1586, Highway 5083, Union Square-Pulaski Rd. Part 1, and Highway 5221 Union Square-Pulaski Rd. Part 2, Highway 5275 Pulaski-Sandy Creek Rd., Oswego Co., to God-Bro. Contg. Co., 292 Madison Ave., New York City, $256,850; 5.54 mi. Repair Contr. 1580, Highway 1148, Cape Vincent-Watertown Rd. Part 1, Highway 1164, Cape Vincent-Watertown Rd. Part 2, Jefferson Co., to M. E. Woodcock, Edwards, $199,095; and 5.75 mi. Highway 1754, Youngstown-Olcott Rd., Part 3, Niagara Co., to C. B. Whitmore Co., Lockport, $242,046. Grand total $697,991. Noted Apr. 14.

N. Y., Johnstown—A. Wands, city clk., grading, curbing, and rein.-con. paving approximately 5,500 ft. more or less Prindle and 4th Aves., Mill, South Perry, Grove, East Madison and Water Sts., to Morrell Vrooman, Inc., Gloversville, $69,755. Noted May 12.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt paving Amstel and Hammels Blvds. $254,500, to Uvalde Asphalt Paving Co., 1 Bway., New York City, 103rd St. $30,990, 96th St. $10,996, and 80th St. $8,695, to W. J. Fitzgerald, 547 West 45th St., New York City. Sherman St. $19,699, to J. D'Amato, Rockaway Beach, Mott Ave. $7,547; and to W. P. MacDonald Constr. Co., Lawrence St., Flushing, Goodrich St. $7,467; to Peace Bros., Inc., 57 North Lawrence St., Flushing, grading 214th Pl., $8,038; to Welch Bros. Contg. Co., 32 Queens St., Astoria, Cameron Terrace, $4,978, also to C. Kurth, 9519 126th St., Richmond Hill, 106th St. $19,048. Grand total $371,958. Noted May 5.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and granite block on sand paving Creek St., to Welsh Bros. Contg. Co., Queens St., $10,591. Noted Apr. 28.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving West and Marginal Sts., to W. J. Fitzgerald, 547 West 45th St., $63,383, and Amsterdam Ave., to St. George Paving Co., 90 West St., $64,556; sheet asphalt repaving 63rd and 40th Sts., to Uvalde Asphalt Paving Co., 1 Bway., $9,498 and $15,-973 respectively; grading, curbing and sheet asphalt paving West 193rd St., to Gaffney Constr Co., Story and Hermany Aves., $12,966. Grand total $167,376. Noted May 12.

N. J., Highland Park (br. New Brunswick)—Boro Council, paving 38,074 sq.yd. various streets, to Utility Constr Co., 5 Spring St., New Brunswick; $226,827; also sewers in various streets, to L. R. Gilbert, Bound Brook, $11,982.

Pa., Phila. — Dept. City Transit, H. E. Ehlers, dir., 17,000 sq.yd. granolithic sidewalks both sides Broad St. at Broad Street Subway, Contr. 190, to McCormick-Lenhan Co., Broad and Tasker Sts., $36,941.

Pa., Pittsburgh—City **(e. e. means engrs. est.)**, to Booth & Flinn, Ltd., Forbes St., grading, curbing and paving Broadhead St., $30,161 e. e. $35,000, and to M. O. Herron Co., South 15th St. and McKean Ave., Stranahan St. $28,506 e. e. $30,000, repaving, etc., Chartiers Ave. between Allendale and Jeffers Sts. $51,663 e. e. $81,000, Wylie Ave. $90,620 e. e. $100,000, and Irwin Ave. between North Ave. and Brighton Rd. $86,176 e. e. $143,000. Grand total $287,126.

Delaware — State Hy. Dept., Dover, grading and concrete paving 1,450 cu.yd. Brenford-Dupont Rd., Contr. 80, Dover Co., to George & Lynch, Dover, $26,036; also grading, walks and concrete paving, etc., 5,600 cu.yd. Phila. Pike-Shellpot-Bellevue Rd., Contr. 81, New Castle Co., to Mazzola & Marano, Inc., 759 South 7th St., Phila., Pa., $161,523. Noted Apr. 7.

Maryland — State Roads Comn., Baltimore, concrete paving 0.43 mi. Contr. B-80, and 2.64 mi. Contr. B-81, to H. T. Campbell Sons Co., Towson, $12,612 and $88,305 respectively; also concrete shoulders on 3.09 mi. Contr. H-3-B, to Sutton Constr. Co., Jefferson Bldg., Phila., Pa., $24,961. Noted May 5.

Md., Baltimore—Bd. Awards, concrete paving 11,825 sq.yd. streets listed Contr. 407, to J. A. Lavezza, 911 Eastern Ave., $26,429. Noted May 5.

Georgia—State Hy. Dept., East Point, to Nichols Contg. Co., 1281 La France St., Atlanta, chart surfacing 2.306 mi. road on Calhoun-Dalton Rd., Gordon Co. $25,090, 8.879 mi. Atlanta-Austell Rd., Cobb Co. $97,895, 4.998 mi. and 2 bridges on Kingston-Rome Rd., Bartow Co. $93,816; to S. E. Finley, 1281 La France St., Atlanta, heavy surface treating 6.7 mi. Tifton-Faldosta Rd., Cooke Co. $45,846, and penetration macadam surfacing 8.74 mi. Decatur-Lawrenceville Rd., DeKalb Co. $84,753; to F. W. Chandler, Virgilina, Va., chert surfacing and one bridge 4.959 mi. Dalton-Ringgold Rd., Whitfield Co. $90,817, and 4.841 mi. and 2 bridges on same road, Catoosa Co. $109,606; to J. Monaghon, Pelham, paving, etc., 5.108 mi. Powder Springs-Austelle Rd., Cobb Co. $45,602, to Morgan-Hill Paving Co., Graham Bldg., Jacksonville, Fla., 18.82 mi. Brunswick-Jacksonville Rd., in Camden and Glynn Counties $497,991, to J. W. Gwinn, Age-Herald Bldg., Birmingham, Ala., 3.995 mi. Augusta-Furey Ferrys Rd. $84,278, and 6.143 mi. Augusta-Harlem Rd. $139,923, both in Richmond Co.; to Brown Co., Chattanooga, Tenn., chert surfacing and 1 bridge 4.057 mi. roadway, Gordon Co. $56,-301; to M. A. Goode, Virgilina, Va., chert surfacing and 5 bridges on 10.845 mi. Calhoun-Dalton Rd., Whitfield Co. $163,403; to W. Z. Williams, Baxley, grading 6.889 mi. roadway, Bacon Co. $30,680, also grading and 5 bridges on 8.905 mi. Baxley-Alma Rd., Bacon and Appling Counties $65,651; to Main & Lassiter, La Grange, grading 4 mi. roadway, Heard Co. $30,190, to M. R. Woodall, Walton Bldg., Atlanta, 8.522 mi. Cornelia-Toccoa Rd., Habersham Co. $46,319, to F. Saunders, Miami, Fla., 17.351 mi. Lyons Baxley Rd., Toombs Co. $108,729, and to C. M. Lyle, Gainsville, 14.227 mi. Dallonega-Blairsville Rd., Lumpkin Co. $185,075; to Clark Constr. Co., Louisville, grading and 1 bridge on 8.406 mi. Savannah-Augusta Rd., Effingham Co. $47,220; to Carter Constr. Co., Chattanooga, Tenn., surface treating 5.848 mi. Canton-Jasper Rd., Cherokee Co., $23,796; and to MacDonald Constr. Co., 1803 Spring St., Atlanta, penetration macadam surfacing 6.98 mi. roadway, Morgan Co., $70,416. Grand total $2,143,397.

La., Cedar Grove—Grading, curbing and 6 in. concrete paving 8,714 sq.yd. 68th and 69th Sts., to Flenniken Constr. Co., Cahn Bldg., Shreveport, approximately $31,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, concrete paving 7.07 mi. State Aid Project 313-A and B, 18 ft., Loudon Co. to Wilmore Constr. Co., Wilmore, Ky., $191,525. Owner furnishes concrete.

Kentucky—State Hy. Dept., Frankfort, bituminous macadam surfacing using shipped limestone top and local limestone base, shipped stone chips and asphaltic oil penetration 5.77 mi. Midland Trail, State Aid Project 594-A, Shelby Co., to Hodgkins & Adams, Winchester, $142,276. Noted Apr. 7.

Kentucky—State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project, S. A. P. State Aid Project)**, bituminous macadam, using tar penetration surfacing 6.614 mi. Lawrenceburg-Graefenberg Rd., S. A. P. 134-B and C, Anderson and Franklin Counties, to J. M. Perkins, Frankfort, $123,306; bituminous macadam surfacing 5.676 mi. Shelbyville-Cropper Rd., S. A. P. 160-A, Shelby Co., to J. S. Lancaster & Bro., Georgetown, $130,593; bank gravel surfacing 5.147 mi. Owensboro-Livermore Rd., S. A. P. 77-B, Daviess Co., and 8.285 mi. Owensboro-Livermore-Island Rd., S. A. P. 77-C, McLean Co., to Taylor-Petri Co., Lewisport, $29,739 and $47,921 respectively; delivering crushed stone dumped on 10.5 mi. Bardstown-Elizabethtown Rd., S. A. P. 94-A, Nelson Co., to W. R. Routt, Sonora, $28,450, and on 9 mi. Franklin-Russellville Rd., S. A. P. 15-B, Simpson Co., to Raymond Constr. Co., Bowling Green, $16,120; grading, etc., 10.681 mi. Greenup-Fullerton Rd., S. A. P. 106-A, Greenup Co., to G. A. Reeves, Greenup, $95,783, 2.841 mi. Pineville-Clear Creek Rd., S. A. P. 112-A, Bell Co., to F. W. Graham,

Constr. News page 355

Streets and Roads (Continued)

Pineville, $23,993, 12.848 mi. Olive Hill-Fullerton Rd., S. A. P. 47-A, Greenup Co., and 9.725 mi. Campbellsburg-Bedford Rd., S. A. P. 63-A, Henry Co., to H. S. Tye & Son, Bedford, $168,426 and $85,388 respectively, 11.695 mi. Murray-Mayfield Rd., S. A. P. 77-B, Calloway and Graves Counties, to J. R. Harkless, Wickliffe, $60,891, and 13.414 mi. Sullivan-Clay-Providence Rd., F. A. P. 166-A and B, Webster and Union Counties, to F. L. Wright, Madisonville, $133,314. Grand total $943,924. Noted Apr. 7.

O., Akron—Summit Co., grading and traffic bound slag paving 3.14 mi. Hametown-Eastern Rd. C. H. 55, Sect. A, to Gray & Quillen, Millersburg, $38,154. Engrs. est. $43,000. Noted May 5.

O., Cleveland—City, paving, etc., with (a) brick (b) asphalt, (1) Highland Ave. (2) Regina Ave. (3) West Ave. (4) Barber Ave. (5) Owosso Ave. (6) West 21st Pl. (7) Biddulph Rd. (8) Treadway Ave. (9) West 42nd St. (10) Columbus Rd. (11) Putnam Ave. (12) Shawnee Ave. (13) Triskett Ave. (14) West 14th St. and (15) East 153rd St., to Roehl Bros., 7220 Denison Ave., (a1) $39,970 (a2) $1,922 (a3) $55,218, to Enterprise Paving & Constr. Co., 8444 Bway., (a4) $3,506 (b5) $3,979 (b6) $2,975, to Baldwin Bros., 4500 Euclid Ave. (b7) $70,699 (b8) $3,785 (b9) $11,520, to Cleveland Trinidad Paving Co., The Arcade, (b10) $3,287 (b11) $13,007 (a12) $44,164 (b13) $33,900 (a14) $7,964 (b15) $40,382. Grand total $336.278. Noted May 5.

O., Cincinnati—Hamilton Co. (**e.e. means engrs. estimate**) grading and asphaltic macadam repaving 29,500 sq.yd. Pippin Rd., to Craig-Jordan & Pickelheimer, Blanchester, $76,695 e.e. $80,075; grading and tar bound macadam repaving 30,300 sq.yd. Dry Run Rd., to R. H. Shafer, Chamber of Commerce Bldg., Columbus, $88,645 e.e. $95,990, and 17,900 sq.yd. Johnson Rd., to J. A. Nickoson, Sayler Park Station, $49,427 e.e. $52,250. Grand total $214,767. Noted Apr. 28.

O., Cincinnati—C. O Shetrill, city mgr., grading, curbing, walks and 2,900 sq.yd. concrete paving, etc., Bickel, Mandery and Ley Aves., to J. R. Crew, Regent Ave., Norwood, $26,553. Engrs. est. $29,664. Noted Apr. 21.

O., Cincinnati—Curbing, guttering, walks and concrete paving, etc., 1,880 sq.yd. Kellogg Ave., to Bigler Bros., Franklin, $97,-171. Engrs. est. $105,176.

O., Cleveland—Curbing, grading, guttering, walks and sheet asphalt paving, etc., 21,400 sq.yd. West 25th St., to Cleveland Trinidad Paving Co., The Arcade, $117,558.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, curbing and brick paving, etc., 54,280 sq.yd. Puritas Rd., $321,819; to Highway Constr. Co., Guarantee Title Bldg., curbing, grading and brick paving, etc., 21,610 sq.yd. Miles Ave. $112,117, 5,320 sq.yd. Wayland Ave. $28,099, 8,500 sq.yd. East 140th St. $47,680, and 5,740 sq.yd. East 141st St. $29,937. Grand total $539,652. Noted May 12.

O., Dayton—Comrs. Montgomery Co., Court House, concrete paving, etc. Overlook and Ashwood Aves., Randolph Twp., to R. P. Sebold, Ludlow Bldg., $49,227 and $31,830 respectively. Engrs. est. $85,000.

O., Independence—Stone sidewalks on 5 streets, to Ohio Quarries Co., Union Trust Bldg., Cleveland, $33,602.

Ind., Danville — Widening and paving Main St., to F. V. Vester, Lafayette, $27,348.

Michigan—G. Tramp, resident engr., Crystal Falls, graveling 3.519 mi. T. L. 45-1 A, 18 ft., Dickinson Co., to Benzie & Son, Norway, for State Hy. Dept., Lansing. $66,774. Noted Oct. 21.

Michigan—A. R. Schaefer, resident engr., Newberry, graveling 3.225 mi. F. A. 143, Sect. A, 18 ft., Mackinac Co., to A. W. McDonell, Omer, for State Hy. Dept., Lansing. $66,992. Noted Oct. 21.

Michigan—G. Tramp, resident engr., Crystal Falls, graveling 8.028 mi. T. L. 35-10 B, 16 ft., Baraga Co., to J. J. Bano, Marquette, for State Hy. Dept., Lansing. $135,248. Noted Oct. 7.

Michigan—H. G. Oakes, resident engr., Cadillac, concrete paving 1.437 mi. T. L. 57-1 B, 20 ft., to Rogers Constr. Co., Beulah, $43,044; and 2.521 mi. T. L. 57-1 Sect. D, to Marsman & Tabor, Frankfort. $73,158, both Charlevoix Co., for State Hy. Dept., Lansing. Noted Oct. 21.

Mich., Allegan — Comrs. Allegan Co., graveling 5 mi. Chesire Rd., and 1.25 mi. Pine Lake Rd., to Pickett & Goodwin, Allegan, $34,486 and $13,431 respectively 1.75 mi. East Dorr Rd., to J. Yerrington, Watervliet $14,137, 1 mi. road in Barton Twp., and 2 mi. Garrifield Twp., to Millard & Sipinga, Twin Lakes, $6,800 and $10,643 respectively, and 1 mi. road in Big Prairie Twp., to D. C. Thompson, White Cloud $6,487; constructing 2 mi. road in Grant Twp., to Woolman Constr. Co., Saginaw, $7,243; and concrete paving 7.3 mi. Ostrander Rd., to W. L. Johnson Constr. Co., Hicksville, O., $170,-182. Grand total $263,409. Noted Apr. 28.

Mich., Detroit—Stone or concrete curbing and 3½ in. sheet asphalt paving Christiancy St. and 4 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $145,688, 6 avenues, to Cooke Asphalt Paving Co., 1260 Penobscott Bldg., $293,350, and 4 avenues, to M. R. Hanna Co., Ryan Rd. and Nevada Ave., $57,935. Grand total $496,973.

Mich., Detroit—Berea curbing, and 3½ in. sheet asphalt paving Oakman Blvd. Sects. 2, 3, 4 and 5, and 8 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $449,708, and Cherrylawn Ave. and Oakman Blvd. Sect. 1, to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $101,471. Grand total $551,179.

Mich., Detroit—For 3½ in. sheet asphalt on 8 in. concrete paving French Rd. from south line Madola to south line Six Mile Rd., Ryan, Dickerson, Schoolcraft, and Schoenherr Aves., Coolidge Highway, Sects. 2, 4, and 5, to Dept. Pub. Wks., City Hall, $645,361; Vernor Highway, Conant, Terry, and Robson Aves., to Detroit Asphalt Paving Co., 909 Transportation Bldg., $143,098; French Rd. from north line Lynch Rd. to south line Madola Ave., to Mark R. Hanna Co., Ryan Rd. and Nevada Ave., (base only) $21,247, and to Dept. Pub. Wks., City Hall, (top only) $11,474. Grand total $821,180. Noted May 5.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, surfacing Route 157, Sect. 119, St. Clair Co., to H. H. Hall Constr. Co., East St. Louis $70,811, Route 70, Sect. 107, Ogle Co., to McCarthy Impvt. Co., Davenport, Ia. $118,779, Route 2, Sect. 51-S, Mason Co., to Hurden Constr. Co., Ferguson Bldg., Springfield $9,117, Route 88, Sect. 101, Whiteside Co., to J. L. Wells Co., Rock Island $136,349, Route 49, Sect. 113, Clark Co., to O. Arnold, Casey $145,488, Route 158, Sects. 134 and 135, St. Clair Co., to Hoeffken Bros., Belleville $217,498, Route 49, Sect. 109, Jasper Co., to R. G. Flauger Co., Urbana $133,038, Route 121, Sects. 145 and 146, both Dougles Co., to J. F. Kelly & Co., Terre Haute, Ind. $133,526 and $145,434 respectively, Route 162, Sects. 101 and 102, both Bureau Co., to Henkel Constr. Co., Mason City, Ia. $94,-872 and $140,128 respectively, Route 83, Sect. 122, Mercer Co., to Miller Constr. Co., Burlington, Ia. $60,383, Route 83, Sect. 124, Mercer Co., to Kerr & Murphy, Bloomington, Ind. $122,679; grading Route 98, Sect. 110-A, Fulton Co., to Cameron Joyce Co., Keokuk, Ia. and Route 78, Sect. 128-A, Stark Co., $27,685 and $23,429 respectively, Route 100, Sect. 118-A, Pike Co., to H. A. Worman, Pittsfield $22,642, Route 80, Sect. 104-A, Carroll and JoDaviess Counties, to Morris & Daugherty, 514 Globe Bldg., St. Paul, Minn. $219,221, Route 78, Sect. 104-A, JoDaviess Co., to Gaines Bros., Union, Mo. $107,069, Route 78, and Sect. 129-A, Stark and Peoria Counties, to Trompeter & Sons, Peru $50,012. Grand total $1,978,250. Noted Jan. 6 and Mar. 31.

Ill., Galesburg—Grading, curbing, guttering and vertical fibre brick paving 21,250 sq.yd. North Prairie St., to Graham-King Constr. Co., 550 South Cedar St., $88,697. Engrs. est. $94,291. Noted May 12.

Ill., Rockford—City, (**e.e. means engrs. est.**) Grading, curbing and rein.-con. paving 2 blocks North Gardiner Ave., 27 ft., to Milburn Bros., 18th and Charles Sts. $7,024, e.e. $8,230; grading, curbing, sewers and rein.-con. paving 8 blocks Cottage Grove Ave. and Selden St., to F. N. Johnson, 129 North Main St., $22,238 e.e. $25,800; grading, curbing and vitr. brick on concrete paving 7 blocks Seminary St., 30 ft., to A. E. Rutledge, Mead Bldg. $61,736 e.e. $66,780; also grading, curbing, macadam and rein.-con. paving 6 blocks School and Ogilby Sts., to Northern Illinois Supply Co., 110 North Court St. $27,875 e.e. $32,-550. Grand total $118,873. Noted Apr. 14.

Ill., Springfield — Bd. Local Impvts., 9 blocks Mason St., 30 ft., to B. F. Nelch, 800 South 9th St., Springfield, vitr. brick on concrete paving at $3.71 per sq.yd., also curb and gutter at $1.165. Engrs. est. $55,951. Noted May 5.

Wis., Milwaukee—Grading and paving 6 alleys, to F. W. Blodgett, Inc., 521 Newton Ave., $13,204; 5 alleys, to Bodemann Constr. Co., Milwaukee, $13,353; 1 alley, to N. Harris, Milwaukee, $4,754; 1 alley, to Bleck Constr. Co., Milwaukee, $2,485; 3 alleys, to Schwerm Bros., 50 Lee St., $12,248; and 4 alleys, to Gumz & Switalski, Milwaukee, $13,151. Grand total $[illegible]

Wis., Milwaukee — Bd. Pub. Wks., to White Constr. Co., 68 Wisconsin Ave., grading and paving, etc., Chestnut St., $13,017, Kinnickinnic Ave., $21,20[illegible] and Lake Dr. $12,827; to Czerwinski Constr. Co., Milwaukee, 58th St., $14,313, 54th St., $8,218, 54th St., $16,594, 52nd St., $12,911, and 57th St., $19,983; to Bodemann Constr. Co., Milwaukee, 54th St., $30,517; [illegible] W. F. Hunt, 1036 1st St., 59th St., $10,264, and 56th St., $21,698; to Jacobus & Winding, Milwaukee, 36th St., $66,549; to J. P. Mahlberg, Milwaukee, Morgan Ave., $4,493; and to Gumz & Switalski, Milwaukee, 1st Ave., $12,673. Grand total $265,200.

Wis., Shorewood (mail Milwaukee)—To R. E. Meyers, Milwaukee, grading 4,427 cu.yd. Gruber Ave., $1,771, 1,769 cu.yd. Newhall St., $619, and 1,595 cu.yd. Morion St., $391; and to Kroening Constr. Co., 39th Ave. and Mitchell St., paving 2,402 sq. yd. Woodbura St., $5,381, 2,437 sq.yd Morris Blvd., $5,460, 825 sq.yd. Newhall St., $1,850, 3,146 sq.yd. Newton Ave., $7,048, 4,716 sq.yd. Morris Blvd., $10,564, 5,243 sq.yd. Woodburn St., $1,175, and 595 sq.yd. Forest Ave., $1,334. Grand total $77,641. Noted Apr. 28.

Ia., Burlington—Des Moines Co., grading, channel change, etc. U. S. Highway 61, Federal Aid Project 301-A and C, to Cameron-Joyce & Co., Keokuk, $55,417.

Ia., Council Bluffs—F. B. Jenkins, city clk., paving 26,096 sq.yd. Bway., 23rd and 16th Sts., 6th, 8th, 22nd and 27th Aves., to Wickham Constr. Co., 19 South Scott St., and J. Waddingham Constr. Co., 533 Benton St.; curbing and guttering 18,006 ft. above streets, to Wickham Bros. Constr. Co., 19 Scott St. Noted Apr. 21.

Minn., Minneapolis — Improving St. Anthony Blvd. in Sunset Memorial Cemetery, grading and tarvia paving, to Fielding & Shepley, 216 West University Ave., St. Paul, $15,747 and $30,860 respectively; and sprinkling system, to Pittsburgh-Des Moines Steel Co., Tuttle and S. W. 10th Sts., Des Moines, Ia., $18,783. Grand total $65,390.

Minn., St. Paul—To Thornton Bros. Co., 318 Endicott Bldg., oil asphalt paving, etc. Osceola Ave. between Snelling and Hamline Aves. $24,000, Edgecombe Rd. between Schaeffer and Montreal Aves. $68,987, and Fairview Ave. between Otto and Montreal Aves. $36,613, and to Fielding & Shepley, 216 University Ave., portions Duluth Ave., Hawthorn, Orange, Hyacinth, Ivy and Frank Sts., $59,494; also to Garrick Bros., 826 Charles St., trap rock surfacing Bohland Ave. between Snelling and Fairview Aves., $42,000. Grand total $231,094.

Kan., Erie—See "Proposed Work."

Kan., Erie—Neosho Co., improving 15 mi. Chanute, Stark and Kimball Rds., to W. F. O'Brien, St. Paul, $27,965.

Nebraska — State Hy. Comn., Lincoln (**F.A.P. means Federal Aid Project**), to Abel Constr. Co., 268-11 Terminal Bldg., Lincoln, sand graveling, etc. 9.4 mi. F.A.P. 4, Wayne Co. $41,243, 4.4 mi. F.A.P. 116-B, Nemaha Co. $14,453, 8 mi. F.A.P. 122-G, Gage Co. $20,984, and 4.4 mi. F.A.P. 143-G, Fillmore Co. $11,770, to Norfolk Bridge & Constr. Co., Norfolk, 3.5 mi. F.A.P. 14-C, Boyd Co. $5,544, to Central Bridge Co., Wahoo, 11 mi. F.A.P. 156-B $24,916, and 156-C $1,423, both Hamilton Co., 18.5 mi. F.A.P. 7-B, Clay Co. $27,336, 5.9 mi. F.A.P. 34-A $9,620 and 3.8 mi. F.A.P. 34-B $6,110 both Garfield Co., 9.4 mi. F.A.P. 157-B, Butler Co. $25,889, 11.9 mi. F.A.P. 202-D $32,516, 13.6 mi. F.A.P. 202-B $37,839, and 7.6 mi. F.A.P. 202-P $19,684, all Cherry Co., to E. W. Kolterman, 1809 Dodge St., Omaha, 4.7 mi. F.A.P. 14-D, Holt Co. $53,-855, F.A.P. 157-C, Butler Co. $33,659, F.A.P. 157-D Seward Co. $52,153, and grading 2.8 mi. F.A.P. 71-F, Harlan Co. $33,140, to Martin & Clark, Scottsbluff, sand graveling 13.7 mi. F.A.P. 16-B, Banner Co. $26,769, to Beatty Constr. Co., Blair, F.A.P. 23, Washington Co. $17,256, to Artificial Stone Co., Bruning, 5 mi. F.A.P. 40, Thayer Co. $9,221, to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, 8.7 mi. F.A.P. 102-A, Sioux Co. $25,826, 7.6 mi. F.A.P. 50-A, Merrick Co. $11,038, 3 mi. F.A.P. 102-B, Knox Co. $9,014, 11.2 mi. F.A.P. 57-A, Dixon Co. $38,475, 3.9 mi. F.A.P. 113-B, Knox Co. $4,606, 9 mi. F.A.P. 76-A, Dawes Co. $22,-541, 3.2 mi. F.A.P. 122-B, Pawnee Co. $7,955, to D. C. Condon, 514 Federal Reserve Bldg., Omaha, 10.4 mi. F.A.P. 51-A, Kearney Co. $52,751, and 8.4 mi. F.A.P. 204-C, Saunders Co. $87,754, to Mid-State Constr. Co., Hastings, 4.1 mi. F.A.P. 51-B, Franklin Co. $38,240, and to M. F. Morrissey Constr. Co., Chadron, 1 mi. F.A.P. 108-B, Sheridan Co. $15,834; to W. Crabtree, Fullerton, grading 5.2 mi. F.A.P. 59-B, Wheeler Co. $26,735, and 4.1 mi. F.A.P.

Constr. News page 356

Streets and Roads (Continued)

59-C Creeley Co. $37,944, to J. E. Shearer & Son, Hebron, 4.5 mi. F.A.P. 164-A $7,580, 5.2 mi. F.A.P. 164-D $8,450, and 3.2 mi. F.A.P. 164-E $5,252, all Thayer Co., to Allied Contractors, Inc., 1803 Douglas St., Omaha, 21.5 mi. F.A.P. 145-A, Phelps Co. $39,398, 1.6 mi. F.A.P. 71-C, Harlan Co. $3,916, 14 mi. F.A.P. 83-B, Boone Co. $57,-62 , and graveling 7.7 mi. F.A.P. 71, Harlan and Franklin Counties $18,707, to Roberts Constr. Co., 404-5 1st Natl. Bank Bldg., Lincoln, 0.6 mi. F.A.P. 71-H, Franklin Co. $22,919, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, 12.4 mi. F.A.P. 75, Fillmore Co. $37,206, 13.7 mi. F.A.P. 185-A, Fillmore and Saline Counties $35,545, F.A.P. 205-A, Webster Co. $18,-450, 9.5 mi. F.A.P. 205-B, Franklin Co. $19,450, and grading 11 mi. F.A.P. 205-D, Nichols Co. $106,789; to G. R. Landreth, Bayard, sand graveling 9.3 mi. F.A.P. 76-F, Box Butte Co. $24,100, to Asplund Constr. Co., Tecumseh, 2.2. mi. F.A.P. 122-D, Gage Co. $22,804, to Custer Co., Broken Bow, 16.3 mi. F.A.P. 127-B, Custer Co. $142,899, to Reel & Kennedy, Dalton, 12.5 mi. F.A.P. 130-A, Cheyenne Co. $3,100, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., 2.1 mi. F.A.P. 136-A $4,532, and 7.7 mi. F.A.P. 136-B, $16,416, both Pierce Co., and 13.2 mi. F.A.P. 203-A, Antelope Co. $25,882, to Peterson, Shirley & Gunther, 1411 W.O.W. Bldg., Omaha, 11.9 mi. F.A.P. 175-A $45,337, 10.9 mi. F.A.P. 175-B $41,718, both Lancaster Co., and 19.6 mi. F.A.P. 200-A, Holt Co. $44,-141, to Amer. Paving Co., 1325 Grace St., 7 mi. F.A.P. 5, Madison Co. $12,797, 8.1 mi. F.A.P. 193-A $26,765, 6.2 mi. F.A.P. 193-B $20,511, and 6.7 mi. F.A.P. 193-C $22,260, all Valley Co.; also to Diamond Constr. Co., Grand Island, constructing bridge on F.A.P. 181, Buffalo Co., $5,741. Grand total $1,768,999. Noted Apr. 21.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and S. P. means State Project)**, to Dowd Bros.-Noonan Hyde Co., Watertown, grading 137,339 cu.yd. F. A. P. 192-B, McPherson Co., $54,975, 104,575 cu.yd. F. A. P. 213-A, $22,848, 100,749 cu.yd. F. A P 213-B, $24,-542, both Spink Co., 107,599 cu.yd. S. A. P. 147, Beadle Co., $22,893, constructing bridge on same road, $14,786, grading 22,-233 cu.yd. F. A. P. 213-C, Brown Co., $26,-615, bridge on same road, $8,465, also constructing bridge on S. A. P. 146, Day Co., $10,341; to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, Neb., grading 65,360 cu.yd. F. A. P. 220-A, Custer Co., $35,416, and constructing bridge on same road Custer and Fall River Counties, $4,224; to Tobin & Maloney, Madison, grading 89,949 cu.yd. F. A. P. 173-D, Edmunds Co., $28,586, and 182,638 cu.yd. F. A. P. 217-B, Meade and Butte Counties, $75,674; to England & England, Mordo, 24,949 cu.yd. F. A. P. 177-C, Jackson Co., $11,239, and 52,562 cu.yd. F. A. P. 219-A, Walworth Co., $18,989; to R. P. England, Mitchell, 81,328 cuyd. F. A. P. 201-B, Hyde Co., $28,399, to W. R. Larson Constr. Co., Sioux Falls, 72,491 cu.yd. F. A. P. 95-D, Faulk Co., $23,307, and graveling 21,309 cu.yd. F. A. P. 203-A, Charles Mix Co., $16,136; to S. S. Roberts, Flandreau, graveling 17,584 cu.yd. F. A. P. 187-B, $16,624, and 7,128 cu.yd. F. A. P. 189-B, $7,508, both Charles Mix Co.; to Diamond Eng. Co., Grand Island, Neb., constructing bridge on F. A. P. 173-D, Edmund Co., $6,543, to J. C. Sorenson, Trenton, F. A. P. 213-A, $12,835, and F. A. P. 213-B, $8,410, both Spink Co., to Davis & Wilson, Spearfish, F. A. P. 217-B, Meade and Butte Counties, $23,466; and to E. G. Constr. Co., Centerville, 30,484 ft. guard rail for 7 projects in 8 Counties, $13,552. Grand total $516,373.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, amiesite paving 3,260 sq.yd. Clara Ave., to Webb-Boone Paving Co., 5103 Fyler Ave., $18,419; asphalt paving 6,255 sq.yd. Eugenia St., and 2,395 sq.yd. Anderson Ave., to Bridges Asphalt Paving Co., Buder Bldg., $41,017 and $15,329 respectively, concrete paving 2,130 sq.yd. Pennsylvania Ave., to C. A. Moreno, Syndicate Trust Bldg., $7,594, 830 sq.yd. Christian Ave. and 1,570 sq.yd. Overbeck Ave., to M. L. Flinn Paving Co., 728 South Theresa Ave., $4,981 and $8,355 respectively; and 745 sq.yd. Marmaduke Ave., to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., $11,-780. Grand total $107,475. Noted Apr. 14.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, **(C. B. means City Block)**, to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 2,260 sq.yd. Goethe St., $10,999, concrete paving 825 sq.yd. in alley in C. B. 985, $2,359, 870 sq.yd. C. B. 1287, $2,192, 1,245 sq.yd. C. B. 2847, $2,743, 500 sq.yd. C. B. 2857, $1,063, 945 sq.yd. C. B. 2033, $2,110, 1,115 sq.yd. C. B. 3392, $2,338, 1,225 sq.yd. C. B. 4154, $3,634, 1,800 sq.yd. C. B. 5090, $4,153, 1,335 sq.yd. C. B. 5122, $3,273, 1,040 sq.yd. C. B. 5252, $2,176, 1,090 sq.yd. C. B. 5273, $2,342, 1,325 sq.yd. C. B. 5320, $2,916, 455 sq.yd. C. B. 5354, $1,290, 1,185 sq.yd. C. B. 5480, $2,765, 1,950 sq.yd. C. B. 5747, $4,273, and 970 sq.yd. C. B. 5936, $2,256; to Alfred Lewald, Inc., 6025 West Cabanne Ave., 2,865 sq.yd. C. B. 4571, $7,335; to Trinidad Asphalt Mfg. Co., Tital Guaranty Bldg., asphaltic concrete paving 1,710 sq.yd. Shirley Pl., $12,793, and 1,475 sq.yd. Richard Pl., $11,236; and to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite bitulithic paving 2,700 sq.yd. Woodland Ave., $21,768. Grand total $106,014. Noted Apr. 28.

Ark., El Dorado—Grading, curbing, guttering and concrete paving 36,642 sq.yd. Mellor Addition, Paving Dist. 25, to Phoenix Constr. Co., 6th and Lelia Sts., Texarkana, Ark., and Homer, La., approximately $103,000. Noted Apr. 21.

Tex., Albany—Shackelford Co., double bituminous surface treating 14.711 mi. Highway 23, State Aid Project 515, 18 ft., to Haden & Austin, Box 1221, Houston, $53,842. Engrs. est. $64,000.

Tex., Mercedes—City, c/o J. E. Haynes, mayor, paving various streets, to Agar & Gentry, San Benito, $27,667.

Tex., San Antonio—Bitulithic paving 8 blocks Lakeview Ave. between Smith and Zarzamora Sts., to Southwest Bitulithic Co., 302 Castro St., $35,430. Noted May 19.

Tex., San Antonio — City will pave 3 blocks East Travis St. from North Alamo to Nacogdoches Sts., 55½ ft. $312,093; and widen 2 blocks Nueva St. between Garden and South Alamo Sts., 45 ft. $104,700, by own forces. I. Ewig, city engr.

Tex., San Antonio—Cold asphalt type paving 10 blocks Carson St. to Colglazier & Hoff, 922 Austin St., $33,173, and 8 blocks West Lurel St., to Alamo Paving Co., 310 Dawson St., approximately $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, to Ellis & Lewis, Muskogee, improving Project 450-A $144,289, Project 139 $97,045, and Project 449-B $28,056, all Muskogee Co.; to Gravell-Hamblin, Muskogee, Project 450-B, Muskogee Co. $8,605, and Project 449-A Muskogee Co. $19,474; to Reynolds & Sutton, Project 157-A and B, Stephens Co., $124,121; to B. J. L. Paving Co., Enid, Project 111-B, Kay Co. $180,-123, and Project 124-K, Kingfisher Co. $89,646, to Western Paving Co., Tradesmens Natl. Bldg., Oklahoma City, Project 208-A, Grady Co., $185,686; to Hanson & Pierce, Oklahoma City, Project 180 $51,492, and Project A and B, Stephens Co. $60,-249; to Aslund Constr. Co., End, Project 124-G and H, Kingfisher Co., $71,599; to Altman-Rogers, McAlester, Project 136-A, Creek Co., $182,441. Grand total $1,242,-826. Noted Apr. 6.

Idaho—J. D. Wood, comr. Pub. Wks., at Office P. E. Oxley, dist. engr., Lewiston, grading, etc., 2.91 mi. Federal Aid Project 67-A-33-A-B, Nez Perce Co., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $31,369; also grading and constructing bridge on 3.5 mi. State Project 30-B, Lewis Co., to J. A. Terteling & Sons, Moscow, $2,847.

Washington—State Hy. Comn., Olympia, **(S. R. means State Road)**, grading, etc., 13,000 cu.yd. S. R. 5, Pierce Co., to S. R. Gray, 430 North Meridian St., Puyallup, $6,530, and 104,000 cu.yd. S. R. 12, Cowlitz Co., to Strong & Carlson, Tacoma, $93,161; crushed graveling, etc., 11,000 cu.yd. S. R. 3, Stevens Co., to F. R. Hewett, 2415 Manito Blvd., Spokane, $23,420; crushed rock surfacing, etc., 23,000 cu.yd. S. R. 3, Whitman Co., to Lyon & Price, 503 West 14th Ave., Spokane, $53,220, 6,000 cu.yd. same road, to Highway Constr. Corp., Stangier Bldg., Pendleton, Ore., $47,496; also concrete paving, etc., 7,514 sq.yd. S. R. 12, Pierce Co., to Enoch O. Alberts, 1210 Alfred St., Chehalis, $26,184. Grand total $250,011.

Washington—State Hy. Comn., Olympia, concrete paving 4.13 mi. Federal Aid Project 140-C, Columbia Co., to Midstate Constr. Co., Yakima, $128,951.

Wash., Bothell—Concrete paving 7 blocks Pacific-Central Highway, to Goetz & Brennan, Seaboard Bldg., Seattle, $25,839. Engrs. est. $27,700.

Wash., Seattle—Bd. Pub. Wks., paving North 66th St. et al, to Fiorito Bros., 3950 6th St. N. W., $56,910; and Ravenna Blvd. et al, to Erickson Paving Co., 1550 North 34th St. (sand cast), $25,414.

Wash., Seattle — King Co., grading 2.5 mi. Redmond-Bellevue Highway, to G. H. Galloway & Co., R. F. D. 1, Tacoma, $27,969.

Wash., Tacoma—Dept. Pub. Wks., concrete paving, etc. 21,612 sq.yd. South Tacoma Ave., and 12,121 sq.yd. Anderson, 7th and 8th Sts., to J. Warter, Tacoma, $48,-962 and $33,993 respectively. Engrs. est. $68,184 and $37,201 respectively.

Calif., Hayward—Asphaltic concrete paving, etc. 2nd and 3rd Sts., to Jones & King, Hayward, $39,162.

Calif., Los Angeles—Grading, curbing, guttering and 8 in. concrete paving 998,218 sq.ft. San Fernando Rd., to A. D. Chalmers, H. W. Hellman Bldg., $547,277.

Calif., Los Angeles—Grading and 6 in. concrete paving, etc. Brunswick Ave. between Tract 5358 and Los Feliz Blvd., to C. U. Heuser, 816 Allen St., Glendale, $129,-042. Noted May 12.

Calif., Los Angeles—Los Angeles Co., grading and asphaltic concrete paving, etc. 262,234 sq.ft. Passon Blvd., to G. H. Oswald, 366 East 58th St., $46,801. Noted Apr. 21.

Calif., San Diego—Common Council, concrete paving 1,131,747 sq.ft. Loring and Diamond Sts., etc., to E. P. Ford, 4200 Highland Ave., $76,352 and $304,712 respectively. Noted Apr. 28.

Calif., Santa Ana—Walks and 6 in. asphaltic concrete paving, etc. 370,600 sq.ft. North and South Palm Sts., to S. Finley, 204 East 4th St., $68,678.

Calif., Santa Rosa—Sonoma Co., grading and asphalt paving, etc. Santa Rosa-Sebastopol Highway, to A. Teichert & Sons, 1846-37th St., Sacramento, $29,280.

Que., Cap de la Madeleine—For 20,000 sq.yd. sidewalks on built-up section, to C. Page, Three Rivers, at $1.87 per sq.yd. Engrs. est. $50,000. Noted Apr. 28.

Ont., Bradford—Asphaltic macadam paving 1,500 ft. Holland St., 20-40 ft., to A. E. Jupp Constr. Co., 170 Berkeley St., Toronto. Engrs. est. $25,000.

Ont., Dixie—Toronto Twp. will pave with macadam and gravel various Roads, incl. culverts, equipment, maintenance and repairs during 1927, by day labor. $37,000.

Ont., Hamilton—Wentworth Co. Council will pave with bituminous concrete 2½ mi., waterbound macadam 5 mi., and concrete ¾ mi. various roads; also 6 small bridges and culverts, by day labor. $150,000. H. A. Lumsden, Court House, engr. Noted Apr. 21.

Ont., Kingston — A. H. Muir, secy. Suburban Roads Comn, 70,000 imperial gal. road oil on suburban roads near here, to Municipal Road Spraying & Oiling Co., Confederation Life Bldg., Toronto. Engrs. est. $30,000.

Ont., Midland — Grading, curbing, guttering and asphalt on concrete paving 20,-000 sq.yd. various streets, to Brennan Paving Co., 400 Gage Ave. N., Hamilton. Engrs. est. $100,000.

Ont., Napanee—T. V. Anderson, engr. County Bldgs., amesite on concrete paving 2¾ mi., and bituminous macadam paving 8.2 mi. various roads, to E. Irvine, Gananoque, for Lennox and Addington Counties. Engrs. est. $125,000. Noted May 5.

Ont., Ottawa—Ottawa Suburban Roads Comn., Thestle Bldg., bituminous surface macadam paving 1.65 mi. Metcalf Rd., to Standard Paving Co., Central Chambers; and bituminous paving 5¼ mi. Russell Rd., to Grant Bros. Constr. Co., National Bank Bldg. Engrs. est. $150,000. Noted Feb. 17.

Ont., Penetanguishene—W. H. Hewson, city clk., concrete asphaltic paving 10,000 sq.yd. Robert St., to McNamara Constr. Co., 53 Yonge St., Toronto, $25,000. Noted Apr. 28.

Ont., St. Catherines—Lincoln Co. Council will grade and pave with concrete and macadam various roads, by day labor. $120,000. Rutherford & Smith, 24 Queen St., engrs. Noted Apr. 21.

B. C., Point Grey—For 2 in. warrenite on rock paving various streets, to Cotton Co. Ltd., False Creek Yards, Vancouver $10,154 and to General Constr. Co. Ltd., 1220 Vancouver Blk., Vancouver $13,458; and 6 in. concrete paving to Armstrong & Morrison Paving Co. Ltd., 543 Granville St., Vancouver, $16,779. Grand total $40,391. Engrs. est. $40,391. Noted Feb. 24.

B. C., Slocan—Dept. Pub. Wks., Victoria, clearing, grading, and gravel surfacing 8.4 mi. Slocan-Silverton Rd., here, to L. H. Rawlings, Nakusp, $142,084. Noted Apr. 28.

B. C., Vancouver—One course 7 in. concrete and warrenite bitulithic paving, etc., Hastings St. E. from Renfrew St. to Boundry Rd., to Cotton Co. Ltd., False Creek Yards, $100,410.

B. C., Vancouver—For 6¼ mi. concrete curbing and sidewalks West of Commercial Dr., to E. A. Anderson, 306 20th Ave. E., $38,283, and 8¼ mi. sidewalks, and 2 mi. concrete curbing, to G. W. Ledingham, 348 8th Ave. E., $51,720.

Constr. News page 357

AMERICA NEEDS MORE GARAGES IN HER CITIES

Homewood Garage is an integral unit of the Homewood Apartments development on No. Charles Street in Baltimore. Palmer, Willis & Lamdin, Architects.

A Unit—

Apartment Houses and Garage

It is axiomatic in these days that housing for man and garaging for his motor must be considered as an inseparable unit.

This is equally true whether it be man's place of residence or his mid-city place of business. "Apartment House Garage" and "Office Building Garage" are already recognized as important elements of any property development plan of consequence.

With the record before us of their preference in $65,000,000 of comparatively recent garage construction, it seems needless to reiterate that d'Humy Motoramps should be an essential part of any multi-floor garage planning.

When you have a garage plan in hand let us sketch-plan the most advantageous storage layout. There's no obligation. *Also—we have a descriptive Catalog "N" for those who wish general information.*

RAMP BUILDINGS CORPORATION

21 East 40th Street New York, N. Y.

GARAGE ENGINEERS

CONSULTANTS ON PROMOTION AND GARAGE MANAGEMENT

Buildings—Commercial

Proposed Work

Me., Portland — HOTEL — Finks Bros. plans 13 story, 100 x 150 ft., brick and steel, hotel, incl. demolishing 2 old buildings, and 200 car garage, High St. $2,000,000.

Mass., Boston — APARTMENT — A. Casealber, 150 Prince St., having sketches made by R. Testa, 224 Hanover St., 4 story and basement, brick, plain foundation, Salem St. and Lyons Pl. $150,000 or more.

Mass., Brighton (Boston P. O.) — APARTMENT — Interstate Building & Constr. Co., c/o E. B. Stratton, archt., 25 Arch St., Boston, having plans prepared 3 story and basement, brick and stone, plain foundation, Chiswick and Braemore Rds., here. $150,000.

Mass., Fall River — THEATRE and STORE — L. E. Savard, 217 Granite Blk., having preliminary sketches made by E. M. Corbett, 70 Bedford St., 1 and 2 story and basement, brick and steel, Pleasant St. $150,000 or more.

Mass., Natick—THEATRE and STORE—Suburban Amusement Co., 34 Brooks St., Wellesley, having sketches made by J. E. Kelley, 38 Chauncy St., Boston, 2 story and basement, brick and steel, plain foundation, Hayes and Central Sts. $150,000-$160,000.

Mass., Scituate — BANK — Rockland Trust Co., H. T. Fogg, 286 Main St., Rockland, having sketches made by J. W. Beal Sons Co., 185 Devonshire St., Boston, 1 story and basement, rein.-con., brick and steel, plain foundation, Front St. here. $150,000. Noted Jan. 27.

Mass., Taunton—STORE and OFFICE—A. Shacton, 294 Washington St., Boston, having plans prepared by S. E. Moffie, 51 Cornhill, Boston, brick and stone, plain foundation, Bway. $160,000.

Mass., Waltham (Ind. br. Boston)—HOSPITAL—Waltham Hospital, H. C. Eaton, chn. building com., plans maternity building, Hope Ave. $150,000 or more. Engineer and architect not selected.

Mass., Waltham (Ind. br. Boston)—THEATRE and STORE—Owner, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, takes bids after June 1, 2 story and basement, 90 x 150 ft., brick and steel, plain foundation, Moody St. To exceed $150,000. Noted Apr. 21.

Mass., Worcester — APARTMENT — H. Coonan, 31 Maplewood Rd., having preliminary sketches made by E. T. Chapin, 304 Main St., brick and steel, Pleasant St. $150,000 or more.

Conn., New Britain—THEATRE and STORE—Universal Co., 299 Main St., having plans prepared by J. A. Tuck, Park Sq. Bldg., Boston, Mass., 2 story, 115 x 200 ft., brick and steel, Washington St. $250,000.

N. Y., New York City—HOME—Catholic Charities of the Arch-Diocese of New York, 477 Madison Ave., W. J. Rafter, 218 East 16th St., having preliminary sketches drawn by R. J. Reiley, 12 East 41st St., steel, plain foundation, 319 23rd St. To exceed $150,000.

N. Y., Nyack—THEATRE and STORE—W. E. Lehman, archt., 972 Broad St., Newark, N. J., soon lets general contract 2 story and basement, 120 x 215 ft., brick and steel, plain foundation, here. Owners name withheld. $150,000. Bratter & Collak, Nyack, lessee.

N. J., East Orange—APARTMENT—J. Rosen, 111 Watson Ave., Newark, having plans prepared by Siegler & Greenburg, 164 Market St., Newark, 4 story and basement, 80 x 115 ft., brick and steel, plain foundation, North Parkway, here. $150,000.

N. J., Elizabeth—APARTMENT—Holzberg & Cosnah Constr. Co., c/o L. Kassoff, archt., 164 Market St., Newark, having plans prepared 5 story, 100 x 125 ft. brick and steel, plain foundation, 47-53 Elm St. $150,000.

N. J., Elizabeth—HOTEL and STORE—W. L. Stoddart, archt., 50 East 41st St., New York City, soon lets contract 9-story, basement, and mezzanine, 65 x 107 x 215 ft., brick and steel, concrete pile foundation, 323 North Broad St., here, for Elizabeth Chamber of Commerce Hotel Co., 227 Broad St. $1,000,000. S. B. Brady, 333 North Broad St., associated archt.

N. J., Hillside (br. Elizabeth)—APARTMENT—Independent Realty Co. plans 4 story, brick and steel, plain foundation, 1522 Maple Ave. $150,000. Private plans.

N. J., Linden—WAREHOUSE—J. Anderson, archt., 251 North Broad St., Elizabeth, soon lets contract 1 story and basement, brick and steel, plain foundation, Edgar and Showll Aves., here, for Atlantic Romper Co., Inc., 50 Atlantic St., Newark, $150,000.

N. J., Montclair—HOSPITAL—Montclair Community Hospital, 120 Harrison Ave., plans 3 story, brick and steel, plain foundation, here. $300,000 funds being raised. Engineer and architect not selected.

N. J., Morristown—APARTMENT—J. Lyons, Dumont Hotel, having plans prepared by H. Rosensohn, 188 Market St., Newark, 4 story, brick and steel, plain foundation, Community Pl. $150,000.

N. J., Newark—APARTMENT—L. Goldfarb, 870 Broad St., having plans prepared by Kasoff & Flatt, 164 Market St., 4 story, 80 x 125 ft., brick and steel, plain foundation, Chancellor Ave. near Canfield Pl. $150,000.

N. J., Orange—APARTMENT—Apex Building Co., c/o H. F. Clark, archt., 39 Clinton St., Newark, having plans prepared 5 story, brick and steel, plain foundation, Lincoln Ave. and Willow St., here. $150,000.

N. J., Orange—APARTMENT—Florence Building Co., c/o L. P. Greenberg, archt., 156 Market St., Newark, having plans prepared 4 story, brick and steel, plain foundation, Washington and Duane Sts. $150,000.

N. J., Perth Amboy—APARTMENT—J. Lonky & M. Rosenshein, 137 Lewis St., having plans prepared by H. Rosensohn, 188 Market St., 3 story and basement, 50 x 125 ft., brick and steel, plain foundation, Madison Ave. $150,000.

N. J., Rahway—THEATRE, STORE and OFFICE—Rahway Constr. Co., c/o H. Rosensohn, archt., 188 Market St., Newark, having plans prepared 2 story, 78 x 155 ft., brick and steel, plain foundation, Irving St. and Milton Ave. $200,000.

N. J., Westfield—APARTMENT—Holsber & Posnak, 1141 Warren St., Roselle, having plans prepared by Kasoff & Flatt, 164 Market St., Newark, 4 story, 90 x 125 ft., brick and steel, plain foundation, Prospect St. $150,000.

N. J., West New York (Ind. br. Weehawken) — APARTMENT — Park Avenue Constr. Co., c/o G. B. McIntyre, archt., 524 17th St., having plans prepared 5 story, brick and steel, plain foundation, 608 Park Ave. $160,000.

Pa., Phila.—BANK—Simon, Brittain & English, archts., 829 Chestnut St., soon lets contract 1 story mezzanine and basement, 32 x 100 ft., rein.-con., brick and steel, plain foundation, 5604 North 5th St., for Natl. Bank of Olney, 5604 North 5th St. Noted Apr. 21.

Pa., Pittsburgh—APARTMENT—Morewood Gardens Co., and V. C. Farrar, archt., 1 Park Ave., New York City, soon let contract 7 story and basement, irregular shaped, brick, stone and steel, Morewood Ave. $1,400,000. Marks & Kann, Home Trust Bldg., Pittsburgh, associated archts.

Pa., Springfield (Media P. O.)—THEATRE, APARTMENT and STORE—E. T. Bartlett having plans prepared by L. DePayster, c/o owner, 4 story and basement, brick and steel, plain foundation, Powell Rd. and Saxar Ave. $250,000.

W. Va., Clarksburg—COURT HOUSE—Harrison Co. plans new court house. $1,000,000. M. L. Loudon, co. clk. Engineer and architect not selected.

Ga., Savannah — APARTMENT — C. F. Fulton Real Estate Co., Citizens Trust Bldg., having plans prepared by Wallin & Comer, Realty Bldg., apartment. $500,000.

Fla., Pensacola — SCHOOLS — Voted $225,000 bonds, new schools. Noted May 6.

Tenn., Knoxville — THEATRE — C. D. Peruchi plans theatre. $300,000. Engineer and architect not selected.

Ky., Newport — BANK — Newport Natl. Bank, 5th and York Sts., plans 3 story and basement, rein.-con. and brick, plain foundation, 8th and Monmouth Sts. $150,000. C. C. and E. A. Weber, Ingalls Bldg., Cincinnati, O., archts.

O., Cleveland — WAREHOUSE, etc. — Cleveland Ry. & Harbor Terminal Co., c/o S. E. Dettlebach, Williamson Bldg., having preliminary plans prepared by Moores & Dunford, archts. and engrs., 140 East 42nd St., New York City, brick and rein.-con. warehouse and dock, concrete pile foundation. $10,000,000.

O., Columbus—RAMP GARAGE—W. L. Timmons, Zanesville, having sketches made 6 story and basement, 125 x 187½ ft., brick, concrete and steel, North Front St. $1,000,000.

O., Dayton — APARTMENT — Buckeye Home Builders, Inc., E. Mellman, pres., Amer. Bldg., plans 2 story and basement, 150 x 150 ft., brick and rein.-con., plain foundation, incl. swimming pool, Salem Ave. $200,000. Private plans.

O., Toronto—BANK and OFFICE—Union Savings Bank, having plans prepared by J. M. Beall & Son, Washington, Pa., probably 3 story and basement, brick, stone and steel bank and office building. $150,000.

Ind., Gary—STORE—Kaufman & Wolf having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 3 story and basement, 120 x 300 ft., brick and terra cotta department store. $200,000.

Ill., Chicago—APARTMENT and STORE—H. Bood having plans prepared by T. R. Bishop & Son, 35 South Dearborn St., and soon takes bids 5 story and basement, 197 x 250 ft., rein.-con., brick and terra cotta, 76th St. and Exchange Ave. $950,000.

Ill., Chicago — APARTMENT—Chestnut-De Witt Syndicate, c/o L. F. Urbain, archt., 1254 Lake Shore Dr., having sketches made 20 story and basement, 108 x 238 ft., Chestnut and De Witt Sts. $3,500,000.

Ill., Chicago — CLUB, THEATRE and STORE—Steuben Club, 316 South Clark St., purchased 80 x 180 ft. site and having plans prepared by K. M. Vitzthum & Co., 307 North Michigan Ave., Steuben Club, 35 story, incl. 1,200 seating capacity theatre, etc., Wells and Randolph Sts. $8,000,000. Noted July 8.

Ill., Chicago—GARAGE—A. S. Alschuler, archt., 28 East Jackson Blvd., making plans and soon takes bids 10 story and basement, 100 x 125 ft. rein.-con. and brick, 318-28 Federal St., for Ramp Building Corp., 21 East 40th St., New York City. $1,200,000.

Ill., Chicago—OFFICE and STORES—B. F. Lindheimer, 77 West Washington St., having sketches made by A. S. Alschuler, 28 East Jackson Blvd., 22 story and basement, 99 x 147 ft., brick, steel and terra cotta. Jackson Blvd. and Franklin St. $2,000,000.

Ill., Rockford—HOTEL—Rockford Hotel Co., South Main St., having plans prepared by Thielbar & Fugard, 219 East Superior St., and takes bids about June 25, 10 story and basement, 110 x 170 ft., rein.-con. and brick, Wyman and Chestnut Sts. $1,000,000.

Wis., Sheboygan — THEATRE — United Studios, Inc., archts., 28 West Lake St., Chicago, Ill., take bids about June 16, 1 story and basement, 90 x 170 ft., brick, here, for Universal Chain Theatrical Enterprises, c/o architects. $300,000.

Ia., Iowa City—AMERICAN LEGION—Amer. Legion Post, c/o C. F. Ward, chn., having preliminary plans prepared 3 story, rein.-con., brick and stone, incl. drill room, gymnasium, dance hall, auditorium, etc. $170,000. Engineer and architect not announced.

Minn., Stillwater — PRISON — Comrs. Administration & Finance, State Capitol, St. Paul, having plans prepared by C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, rein.-con., brick and stone addition, here. $250,000.

Kan., Dodge City — HOSPITAL — City having plans prepared by Mann & Co., Hutchinson, 4 story and basement, rein.-con., brick and terra cotta, plain foundation. $160,000.

Neb., Kimball—COURT HOUSE—Kimball Co. voted $175,000 bonds, 3 story, rein.-con., brick and stone court house. Noted Apr. 28.

Tex., Abilene—STORE and OFFICE—G. L. Paxton & W. G. Swenson, take bids after June 1, 7 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, North 3rd and Cypress Sts. $150,000. D. S. Castle Co., 701-4 Alexander Bldg., archts.

Tex., Beaumont—HOTEL—E. G. Edson, c/o Edson Realty Co., having preliminary plans prepared by F. W. Steinman & Son, 411 San Jacinto Life Bldg., 14 story and basement, 120 x 120 ft., rein.-con., brick and steel, plain foundation, Pearl and Liberty Sts. $1,500,000.

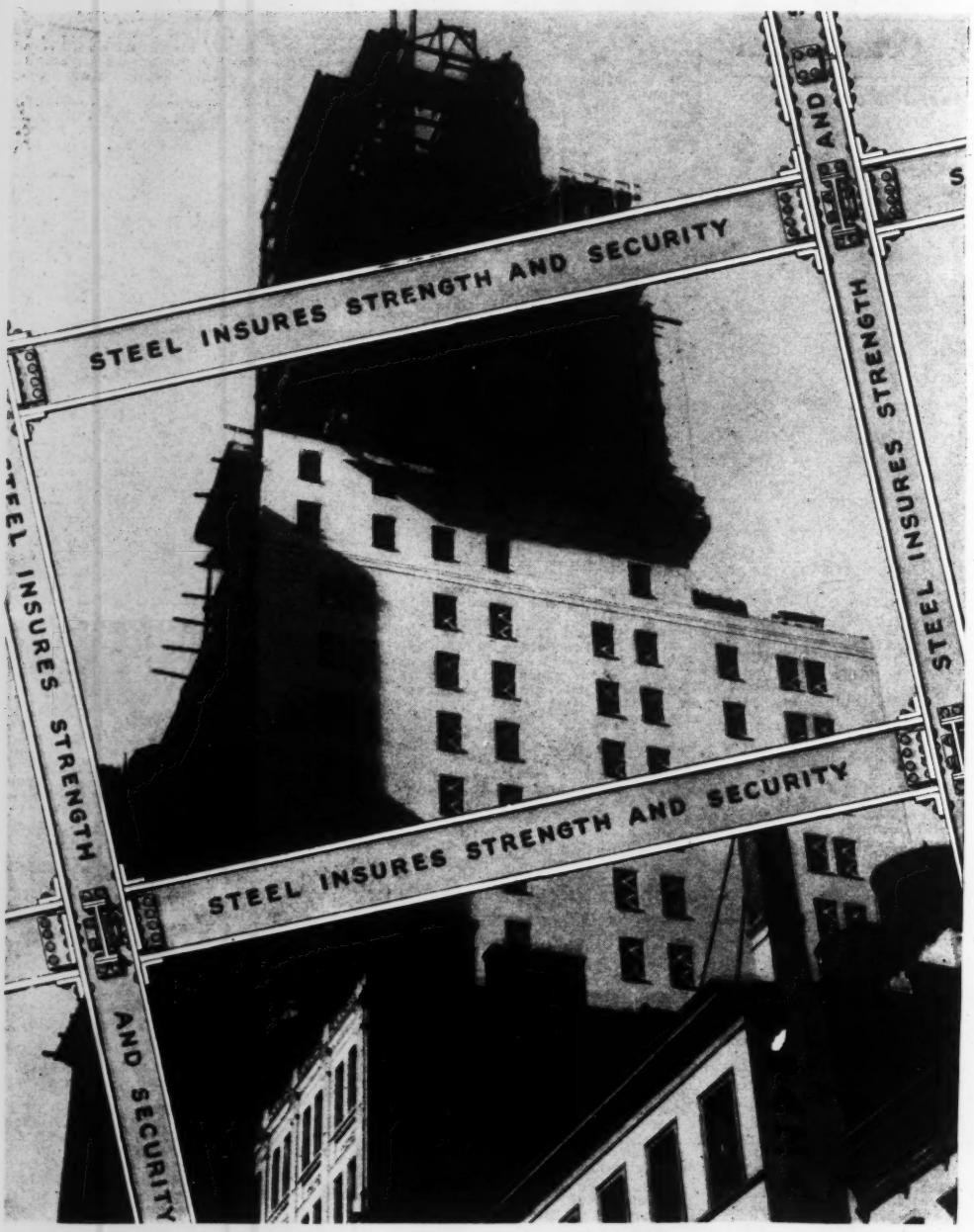
Tex., Houston—OFFICE—San Jacinto Trust Co., Humble Bldg., having plans prepared by J. W. Northrop, West Bldg., and A. C. Bossom, advising archt., 680 5th Ave., New York City, 2 story (ultimately 22 story) and basement, 59 x 127 ft., brick, steel and stone, wood pile foundation, Lamar and Main Sts. $275,000. Total $1,250,000.

Tex., San Angelo—COURTHOUSE—Tom Green Co., c/o J. T. Mathison, judge, having plans prepared by A. F. Korn, 816 Thomas Bldg., 3 story and basement, fireproof courthouse. $294,000 bond election soon.

Tex., San Antonio—HOSPITAL—Santa Rosa Infirmary, Houston and Santa Rosa Sts., soon lets contracts 5 story and basement, 50 x 160 ft., rein.-con. and brick annex, plain foundation. $300,000. A. B. and R. M. Ayres, 626 Bedell Bldg., archts. Noted May 26.

Calif., Albany—HOSPITAL—Humboldt Hospital Assn., c/o O'Brien Bros., and W.

Constr. News page 357a


STEEL INSURES STRENGTH AND SECURITY
STEEL INSURES STRENGTH AND SECURITY
STEEL INSURES STRENGTH AND SECURITY
STEEL INSURES STRENGTH AND SECURITY

"*STEEL* NEVER FAILS"

THIS is the title of an illustrated manual which the American Institute of Steel Construction has prepared for distribution, not only to technical specialists, but to owners, prospective builders and public officials. It tells the story of structural steel as it has never been told before.

The distribution of "STEEL NEVER FAILS" is only one factor in the present national educational effort of the Institute. Extensive advertising is appearing. The Institute's Code of Practice and Standard Specifications are already in use in more than 100 cities in the United States and Canada with an estimated saving of $30,000,000 a year to owners and taxpayers. Write for complete details now. We will also send a complimentary copy of "STEEL NEVER FAILS."

This advertisement is published by the American Institute of Steel Construction, a non-profit service organization of 218 members comprising the structural steel industry in the United States and Canada. Contributing also to the educational fund are these great rolling mills; Bethlehem Steel Company, The Colorado Fuel and Iron Company, Inland Steel Company, Jones & Laughlin Steel Corporation, Scullin Steel Company. The purpose of the Institute is to extend the use of structural steel in construction work of every size and type, from residences to skyscrapers and bridges. The Institute offers fullest co-operation with architects, engineers, the public and all branches of the building trades. Correspondence invited. Address: Lee H. Miller, M. Am. Soc. C. E., Chief Engineer, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 285 Madison Avenue, New York City.

Buildings—Commercial (Continued)

D. Peugh, archts., 315 Montgomery St., San Francisco, had plans prepared 3 story and basement, brick hospital. $150,000.

Calif., Bakersfield—OFFICE and BANK—First Natl. Bank, E. A. Kelly, representing Holding Co., had preliminary plans prepared by Austin & Ashley & F. M. Ashley, Chamber of Commerce Bldg., Los Angeles, 8 story, rein.-con. and steel, Chester Ave. and 18th St. $400,000.

Calif., Fresno—HOSPITAL—Fresno Co. plans fireproof hospital annex. $150,000.

Calif., Los Angeles—APARTMENT—H. C. Jensen, 1728 Westmoreland Ave., had plans prepared by E. E. B. Meinardus, 311 South Vermont Ave., 4 story and basement, 70 x 175 ft., brick and concrete, Holly St. and Raymond Ave. $500,000.

Calif., Los Angeles—STORE and OFFICE—G. L. Eastman, 8000 Hollywood Blvd., plans rein.-con., between Highland Ave. and McCadden Pl. To exceed $250,000. Engineer and architect not selected.

Calif., Oakland — APARTMENT — A. Young, archt., 339 15th St., preparing plans 8 story and basement, rein.-con., 14th and Grove Sts. $200,000 or more. Owner's name withheld.

Calif., Oakland—HOSPITAL—Masonic Crippled Childrens Hospital, c/o Masonic Temple, plans fireproof hospital. To exceed $150,000. Engineer and architect not selected.

Calif., Redlands—HOSPITAL—City having plans prepared by M. Hunt & H. C. Chambers, Hibernian Bldg., Los Angeles, 1 story and possibly 2 story community hospital. $150,000.

Calif., San Francisco—APARTMENT—Marian Realty Co., 110 Sutter St., having plans prepared rein.-con. and steel, Pacific and Fillmore Sts. To exceed $150,000.

Calif., San Francisco—STAGE DEPOT and HOTEL—Pickwick Stage System, 75 5th St., having plans prepared by O'Brien Bros., 315 Montgomery St., 7 story and basement auto stage depot and hotel, Mission and 5th Sts. $500,000.

Ont., Oshawa — OFFICE — General Motors Ltd. having plans prepared by R. H. Bishop, Bradley Blk., and soon takes bids 4 story and basement, 48 x 320 ft., rein.-con., brick and stone, plain foundation, William St. $375,000.

Ont., Toronto — APARTMENT — S. W. Hiltz & Co., 1857 Danforth Ave., having plans prepared by E. G. Wilson, 43 Langley Ave., 3 or 4 story, rein.-con., brick and steel, plain foundation, Tennis and Crescent Sts. $200,000.

Ont., Toronto—APARTMENT—R. W. C. Godson, 14 King St. E., having plans prepared by E. V. Stokes, 81 Victoria St., 4 story and basement, rein.-con., brick and steel addition to Ellis Court Apartments, plain foundation, Bloor St. W. $400,000.

Ont., Toronto—STORE and OFFICE—Robins Ltd. Natl. Bldg., having plans prepared by T. Muirhead, Lumsden Bldg., 4 or 5 story and basement, concrete, brick, steel and stone, concrete foundation, Bloor and Bay St. $150,000.

Bids Desired

Me., Portland—THEATRE and STORE—H. R. Rines, 112 State St., taking bids 1 and 2 story and basement, 65 x 170 ft., brick and steel, plain foundation, 639 Congress St. $150,000 or more. J. P. Thomas, 537 Congress St., archt. Noted May 26.

Mass., Attleboro — THEATRE — Union Theatre, Inc., c/o R. M. Stowell, archt., 184 Boylston St., Boston, taking bids 1 story and basement, 90 x 115 ft., brick and steel, plain foundation, Union St. $150,000. Noted May 12.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Framingham — OFFICE — West Boston Gas Co., 49 Howard St., taking bids 3 story, brick and steel, Pearl and Union Sts. $150,000. C. M. Baker, 25 Arch St., Boston, archt.

Mass., Medford (br. Boston)—THEATRE, STORE, OFFICE and APARTMENT—See "Contracts Awarded."

Mass., Pittsfield — APARTMENT and STORE — Central Realty Co., c/o J. M. Vance, archt., 24 North St., taking bids 3 story and basement, brick and stone, plain foundation, Carson Pl. $150,000.

Mass., Roxbury (Boston P. O.)—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOTEL—See "Contracts Awarded."

N. J., Elizabeth — DEPARTMENT STORE — M. Levy & Sons, 80 Broad St., taking bids general contract 1 story, 30 x 50 x 65 x 70 x 80 x 110 ft. top and addition, and extending 80 x 110 ft. rear basement and mezzanine, brick and steel, 84 Broad St. $150,000. W. L. Finne, 91 Broad St., archt.

N. J., Lyndhurst (br. Rutherford) — APARTMENT and STORE — H. R. Bogle Co., 318 Stuyvesant Ave., taking sub-bids 4 story, 90 x 150 ft., brick and steel, plain foundation, Stuyvesant and Valley Brook Aves. $360,000. F. Tripputi, 298 Ridge Rd., archt. Noted Apr. 14.

N. J., Newark — APARTMENT and STORE—See "Contracts Awarded."

N. J., Newark — BANK — Hayes Circle Natl. Bank & Trust Co., c/o Necarsulmer & Lehlbah, archts., 420 Lexington Ave., New York City, taking bids general contract 2 story, brick and steel, plain foundation, Hayes Circle, here. $150,000.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Reading—STORE—June 4, by F. Muhlenberg, archt., Reading, 4 story and basement, 30 x 270 ft., brick and steel, plain founration, 622-24 Penn Ave., for Croll & Keck, Reading. Noted Apr. 28.

O., Lorain—THEATRE—J. H. Solomon, c/o Temple Theatre, taking bids, 2 story and basement, brick, steel and concrete, 1,000 seating capacity, here. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt. Noted May 26.

Mich., Detroit — THEATRE — Olympia Amusement Co., c/o J. Kasurin, archt., 502 Empire Bldg., taking bids and opens same about June 8, 2 story, 100 x 160 ft., rein.-con., brick and steel, plain foundation, Gratiot Ave. $150,000.

Mich., Flint—OFFICE and EXCHANGE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, taking bids and open same about June 8, 3 story and basement, 91 x 154 ft., rein.-con., brick and steel, plain foundation, 1st St., here, for Michigan Bell Telephone Co., Cass Ave., Detroit. $200,000. Noted May 19.

Ill., Chicago—APARTMENT—June 7, by B. Kurzon, archt., 115 West Monroe St., 14 story and basement, 50 x 160 ft., rein.-con., brick and stone, 434 Roscoe St., for Four Hundred and Thirty-Four Roscoe Building Corp., c/o architect.

Ill., Chicago — WAREHOUSE — A. Epstein, archt., 2001 West Pershing Rd., prepared plans and taking bids 6 story, 110 x 140 ft., rein.-con. and brick, Hamilton Ave. and Pershing Rd., here, for Cheek-Neal Coffee Co., Cummins Station, Nashville, Tenn. $500,000.

Neb., Omaha—HOSPITAL—June 9, by St. Joseph Hospital, 10th and Casteller St., 1 story, rein.-con. and brick addition, here. $250,000. D. X. Murphy & Bro., Louisville, Ky., archt. J. M. Nachtigall, 512 Paxton Block.

Mo., St. Louis—CIVIL COURTS—June 21, by Bd. Pub. Serv., 208 City Hall, general work (except foundation and steel) 24 story and basement, 135 x 162 ft., concrete, stone, terra cotta and steel, 11th St. from Chestnut to Market Sts., or Municipal Plaza. $2,750,000. Plaza Comn., Inc., c/o owner, archts. and engrs. Noted Apr. 7.

Tex., Sweetwater—HOTEL—June 13, by H. B. Allen & associates, 6 story, part basement, and roof garden, 100 x 140 ft., rein.-con., brick and tile, plain foundation. $250,000. H. S. Green, c/o Alamo Natl. Bank Bldg., San Antonio, archt. Noted May 12.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Oakland—APARTMENT—C. N. Burrell, archt., Amer. Bank Bldg., taking bids, 6 story and basement, steel and brick, Haste St. and Telegraph Ave., for M. Witkow, Telegraph Ave. and Channing Way, Berkeley. $160,000. Noted May 26.

Calif., Pasadena—APARTMENT and RECREATION—See "Contracts Awarded."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco — HOSPITAL — Bakewell & Brown, archts., 251 Kearny St., taking bids 6 story and basement maternity ward addition, Walnut and California Sts., for Children's Hospital. To exceed $150,000. Noted Dec. 9.

Ont., Toronto — APARTMENT — See "Contracts Awarded."

Contracts Awarded

Me., Sanford—HOSPITAL—H. D. Goodall Hospital, Inc., 3 story and basement, with 2 wings, 35 x 70 ft., and 40 x 40 ft., brick and stone, plain foundation, incl. power house and nurses home, Sherburne's Heights, to J. W. Bishop Co., 683 Atlantic Ave., Boston, Mass. Archts. est. To exceed $150,000. Noted Apr. 21.

Mass., Boston—APARTMENT—S. B. Zeltzerman, 105 Floyd St., Dorchester, will build 2 story and basement, brick, plain foundation. $150,000. Work will be done by separate contracts. S. S. Levy, 35 Court St., archt. Noted May 26.

Mass., Boston — BANK — FEDERAL Natl. Bank of Boston, J. H. O'Neil, altering and constructing 6 story and basement, brick addition, plain foundation, 258 Washington St., to Leighton & Mitchell Co., 99 Chauncy St. Archts. est. $150,000 or more. Noted Apr. 14.

Mass., Boston—OFFICE—S. L. Lowe, 1 State St., reconstructing 6 story and basement, brick, 371 Commonwealth Ave., to N. Hurwitz, 294 Washington St. Archts. est. $150,000.

Mass., Boston—STORE and OFFICE—W. J. Barry, 54 Burroughs St., Jamaica Plain, altering and constructing 3 story and basement, brick addition, plain foundation, Dock Sq. corner Exchange St., to J. Bowen Co., 184 Dudley St., Roxbury. Archts. est. $150,000 or more.

Mass., Cambridge (Boston P. O.) — APARTMENT — Harvard Housing Trust, L. C. Cornish, c/o Kilham, Hopkins & Greeley, archts., 9 Park St., Boston, 3 story and basement, irregular shaped, brick and stone, plain foundation, Kirkland St., Shady Hill, to C. H. Cunningham & Sons Co., 23 Central Ave., Lynn. Archts. est. $500,000. Noted Mar. 19.

Mass., Everett (br. Boston) — APARTMENT and STORE — Owner, c/o B. Porter, archt., 73 Tremont St., Boston, 3 story and basement, brick and stone, plain foundation, Hancock St. and Bway., here, to Nason Constr. Co., Orchard St., Swampscott. Archts. est. $150,000.

Mass., Ludlow—THEATRE—F. R. Burr, 1 story and basement, brick and steel, plain foundation, Hubbard St., to D. D. Sullivan, 86 Weybosset St., Providence, R. I. Engrs. est. $150,000.

Mass., Medford (br. Boston)—THEATRE, STORE, OFFICE and APARTMENT—J. E. Locatelli, 151 Highland Ave., Somerville, will build 4 story and basement, irregular shaped, brick and steel, plain foundation, Playstead St., here. $400,000. Work will be done by separate contracts. Private plans.

Mass., Norwood—ADMINISTRATION—Norwood Hospital, Washington St., 2 story and basement, brick and stone, plain foundation, 792 Washington St., to Crane Constr. Co., Inc. 80 Boylston St., Boston. Archts. est. $150,000. Noted Apr. 14.

Mass., Quincy (br. Boston)—APARTMENT and STORE—E. A. Walker, c/o R. B. Whitten, archt., 101 Tremont St., Boston, 4 story and basement, 55 x 110 ft., brick and stone, plain foundation, Beale St., Wollaston Sect., to Hub Constr. Co., 333 Washington St., Boston. Archts. est. $150,000. Noted Apr. 21.

Mass., Roxbury (Boston P. O.)—APARTMENTS—B. Zeltzerman, 105 Floyd St., Dorchester, will build four 3 story and basement, 50 x 75 ft., each, brick, plain foundation, Warren and Howland Sts., here. $150,000. Work to be done by separate contracts. S. S. Levy, 35 Court St., Boston, archt.

Mass., Somerset—MUNICIPAL—Town, F. L. Hanson, chn. com., 2 story and basement, brick and stone, plain foundation, Wood St., to C. H. Hodgate Co., 370 Bedford St., Fall River. Archts. est. $150,000. Noted May 19.

R. I., Pawtucket — THEATRE and STORE—T. J. Whalen, Japonica St., 1 and 2 story and basement, 50 x 100 ft., brick, steel and stucco, plain foundation, Bway., to Mahoney & Tucker, 72 Weybosset St., Providence. Archts. est. $150,000. Noted Feb. 24.

R. I., Providence — WAREHOUSE — Owner, c/o Desmond & Lord, archts., 1 Beacon St., Boston, Mass., 4 story, rein.-con. and brick, plain foundation, Dudley St., to Mahoney & Tucker, 72 Weybosset St. Archts. est. $150,000 or more.

Conn., Hartford — DORMITORY — Y.M.C.A., G. Graves, chn., 4 story, 100 x 175 ft., brick and steel, Broad St., to Industrial Constr. Co., 721 Main St., $275,000. Noted May 12.

Conn., Hartford—OFFICE—I. and D. Garber, J. Weigel & B. Torretsky, 6 story, concrete, brick and steel, Asylum St., to G. Cudemo & Southern New England Constr. Co., 68 Temple St. Archts. est. $300,000.

Conn., Hartford—STORE—Dorfinks, G. Meincke, mgr., 1077 Main St., 4 story, 27 x 95 ft., stone, brick, steel, tile and concrete, Main St., to Richard Johnson Co., Hartford.

N. Y., New York—APARTMENT—Bainbridge Associates will build 6 story, 88 x 428 ft., brick and steel, plain foundation, Rochambeau Ave. and 206th St. $800,000. Work will be done by separate contracts. G. G. Miller, 1482 Bway., archt.

N. Y., New York—APARTMENT—Bellrock Corp., 50 Court St., Brooklyn, will build 9 story and basement, 54 x 108 ft., brick and steel, plain foundation, 110 East 91st St. $150,000-$200,000. Work will be

Constr. News page 357b

Buildings—Commercial (Continued)

done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., archts.

N. Y., New York—APARTMENT—Edward Eisenacker, 204 West 14th St., will build 6 story and basement, brick and steel, plain foundation, Marcy Pl. and 57th St. $300,000. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Fulton Avenue Corp., will build 5 story, brick and steel, plain foundation, 168th St. near Fulton Ave. $200,000. Work will be done by separate contracts. G. G. Miller, 1482 Bway., archt.

N. Y., New York — APARTMENT — S. Grossman, 82 Willow Ave., will build 6 story, 100 x 113 ft., brick and steel, plain foundation, Andrews St. and East Tremont Ave. $180,000. Work will be done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., archts.

N. Y., New York—APARTMENT—Irvil Realty Corp., 900 Riverside Dr., will build 6 story, 88 x 125 ft., brick and steel, plain foundation, Gerard Ave. and 168th St. $275,000. Work will be done by separate contracts. G. G. Miller, 1482 Bway., archt.

N. Y., New York — APARTMENT — S. Silver, 215 West 75th St., will build 6 story and basement, 68 x 100 ft., brick and steel, plain foundation, 214-218 East 51st St. $150,000. Work will be done by separate contracts.

N. Y., New York — APARTMENTS — Walton Manhattan Corp., 250 West 57th St., will build two 6 story, brick, steel and stone, plain foundation, on 64 x 209 ft. site, 181st St. from Pinehurst to Northern Aves. $600,000. Work will be done by separate contracts. Lang & Rosenberg, 1440 Bway., archts.

N. Y., New York — HOTEL — Framax Realty Corp., 1440 Bway., will build 15 story, 57 x 82 ft., brick, steel and stone, plain foundation, 125-129 West 45th St. $450,000. Work will be done by separate contracts. N. Korn, 9 East 40th St., archt.

N. J., Atlantic City — OFFICE and STORE—E. Schwehm, c/o L. I. Brooks, archt., 65 Madison Ave., New York City, 8 story, 50 x 150 ft., brick and steel, concrete pile foundation, Atlantic and New York Aves., to M. C. Tredennick, 25 West 45th St., New York City. Archts. est. $500,000.

N. J., Elizabeth—OFFICE and STORE—Bentrap Realty Co., 251 North Broad St., general contract 8 story, 50 x 100 ft., brick and steel, concrete pile foundation, 1143-5 East Jersey St., to Skinner & Cook, 280 Madison Ave., New York City. Archts. est. $300,000.

N. J., Englewood—COUNTRY CLUB—Phillips Manor Country Club, Cedar Lane, Teaneck, 2 story, 30 x 175 ft., plain foundation, here, to J. R. Outwater, 59 Cedar Lane, Teaneck. Archts. est. $150,000. Noted May 12.

N. J., Newark—APARTMENT and STORE—Blake Realty Co., 14 Branford Pl., will build 5 story and basement, 95 x 135 ft., brick and steel, plain foundation, Clinton Ave. and Osborne Terrace. $200,000. Work will be done by separate contracts. Kasoff & Flatt, 164 Market St., archts.

N. J., Red Bank—APARTMENT—Kasoff & Flatt, 164 Market St., Newark, general contract 3 story, 70 x 120 ft., brick and steel, plain foundation, 36 Riverside Ave., here, to P. Wolf, 68 Park Ave., Bloomfield. Archts. est. $150,000.

Pa., Phila. — APARTMENT — Brown Bros., Fox Bldg., will build 4 story and basement, 48 x 120 ft., brick and steel, plain foundation, 47th and Washington Sts. $175,000. Work will be done by separate contracts. I. W. Levan, 1611 Chestnut St., archt.

Pa., Lansdowne—APARTMENT—A. C. Bieber, archt., 3044 Lehigh Ave., Phila., 3 story and basement, 20 x 122 ft., and two 42 x 90 ft. wings, brick and steel, plain foundation, here, to Ell-Dee Constr. Co., Franklin Trust Bldg. Owners name withheld.

Md., Baltimore—STORE—Abbott Merkt & Co., archts., 175 5th Ave., New York City, 6 story and basement, 176 x 261 ft., rein.-con., brick and steel addition, plain foundation, Baltimore, Pine and Redwood Sts., to Consolidated Eng. Co., 20 East Franklin St. for Hecht Bros., Baltimore and Pine St., $650,000. Noted Apr. 28.

D. C., Wash. — HOSPITAL — District Comrs., District Bldg., domestic service building, etc. at Gallinger Hospital, to G. E. Wynne, 298 Calvert St., $733,300. Noted Apr. 7.

Miss., Biloxi — HOTEL — Federal Eng. Co., archts. and engrs., Central Office Bldg., Davenport, Ia., general contract 4 story and basement, rein.-con., brick, etc., here, for G. M. and H. R. Bechtel, Davenport, and G. Stannus, Biloxi, to Collins Bros., Biloxi, $270,000; heating and plumbing, to Biloxi Heating & Plumbing Co., $42,533. Archts. est. $350,000.

Ky., Ashland — HOTEL — Wysong & Bengston, archts., Prof Bldg., Charleston, W. Va., 11 story, and basement, 64 x 82 ft., brick and steel addition, 13th St. and Winchester Ave., to Ramsey & Gatlin Constr. Co., Ashland, for Ashland Hotel & Realty Co., Ashland. $326,000. Noted May 31.

O., Columbus—EXCHANGE—Ohio Bell Telephone Co., 101 North 3rd St., 1 story and basement, 69 x 85 ft. (ultimately 3 story, 75 x 172 ft.) brick and rein.-con., Indianola Ave., to D. W. McGrath & Sons, 255 East Broad St., $80,000. Noted Feb. 24.

Ind., Elkhart—Saxe & Zimmerman, archts., 212 East Superior St., Chicago, Ill., general contract rein.-con. building for Y. M. C. A., here, to M. A. Floyd Co., 430 Oak Grove St., Minneapolis, Minn., $201,452. Noted Apr. 14.

Mich., Detroit—WAREHOUSE—Weil & Co., 301 Michigan Ave., 4 story (ultimately 6 story) and part basement, 150 x 350 ft., rein.-con. and brick, plain foundation, Hancock and 17th Sts., to C. S. Barry Co., 2631 Woodward Ave.

Mich., St. Joseph—HOTEL—Hotel Whitcomb, general contract 9 story hotel, Lake Blvd. and Ship St., to M. M. Stock Constr. Co. Archts. est. $600,000. Noted Apr. 28.

Ill., Chicago—OFFICE and STORE—D. H. Burnham & Co., archts., 160 North La Salle St., general contract Engineers Building, 23 story and 2 basements, 100 x 150 ft., rein.-con., brick, steel and terra cotta, plain foundation, Wells St. and Wacker Dr., to Dilks Constr. Co., 160 North La Salle St., for Coffey & McKeown, 310 South Michigan Ave. Archts. est. $4,000,000.

Ill., Springfield — BANK — Springfield Marine Bank, 114 South 6th St., remodeling and building 2 story and basement, rein.-con., brick and stone addition, to Wells Constr. Co., 53 West Jackson St., Chicago. Archts. est. $200,000. Noted Dec. 9.

Ill., Wilmette—CLUB—J. Eberson, archt., 212 East Superior St., Chicago, general contract 4 story, 125 x 226 ft., Sheridan Rd., to J. W. Snyder Co., 307 North Michigan Ave., here, for Breakers Beach Club, 105 West Monroe St., Chicago. Noted Apr. 7.

Wis., Green Bay—HOSPITAL—St. Vincents Hospital, 840 South Webster St., 4 story, 42 x 85 ft., rein.-con., brick and steel, plain foundation, here, to J. N. Foeller, Nicolette Bldg. Archts. est. $150,000. Noted Mar. 24.

Wis., Milwaukee—GARAGE and COMMERCIAL—Commerce Realty Co., 6 story and basement, 150 x 160 ft., rein.-con. and brick, plain foundation, 4th and Wells Sts., to R. L. Reisinger & Co., 466 Oakland Ave.

Tex., Ft. Worth — HOSPITAL — W. I. Cooke Estate, c/o E. Bewley, trustees, 2 story and basement, 50 x 170 ft., rein.-con., brick, stone and steel, to H. B. Friedman, 402 1st Natl. Bank Bldg., $320,000.

Tex., Houston — HOSPITAL — Houston Eye, Ear & Throat Hospital, Walker and Caroline Sts., 2 story, 50 x 100 ft., also 12 x 35 ft., and 41 x 42 ft., each 4 story buildings, Walker St., to L. W. Lindsay, 2nd Natl. Bank Bldg., $150,000.

Tex., Laredo—HOTEL—L. L. Stephenson, 205 East Mulberry St., San Antonio, and M. Little, Laredo, general contract 12 story, and basement, 48 x 120 ft., rein.-con. and brick addition to Hamilton Hotel, to C. M. Schoenfeld, Laredo, $340,000. Noted Jan. 12.

Okla., Oklahoma City—HOSPITAL—Oklahoma City General Hospital, 501 West 12th St., 3 story and basement, 40 x 116 ft., rein.-con. and brick addition, plain foundation, Park St., to Kreipke & Shaffer Co., Oklahoma City. $150,000.

Okla., Tulsa—OFFICE—L. Conway, 702 South Elgin St., 7 story and basement, 75 x 140 ft., rein.-con., brick and stone, plain foundation, Main St., to Hughes, Mitchell & Quinn, Tulsa, $295,000.

Calif., Bakersfield — HOTEL — Padre Hotel Corp., H. H. Schister, pres., 8 story and basement, 107 x 115 ft., rein.-con., 8th St. west of Chester Ave., to J. M. Cooper, 301 Rives-Strong Bldg., Los Angeles, $650,000. Noted May 5.

Calif., Berkeley — HOTEL — Huy & Chong, 304 Lakeshore Blvd., Oakland, brick and concrete, University Ave. and 10th St., to Sommarstrom Bros., 1409 Webster St., Oakland, $165,000.

Calif., Los Angeles — APARTMENT — Lazar & Klitbick Constr. Co., 3871 West 6th St., will build 4 story and basement, brick, San Marino St. and Gramercy Pl., by day labor. $150,000.

Calif., Los Angeles — APARTMENT — Anchor Mortgage Co., 2514 South Figueroa St., 4 story and basement, brick, 47th Ave., to Smith & Swain, 1032 North Western Ave., approximately $165,000. Noted May 19.

Calif., Los Angeles—APARTMENT—Starling Investment Co., Pershing Sq. Bldg., 5 story and basement, rein.-con., Normandie Ave., to E. C. English, 401 South Normandie Ave., approximately $160,000.

Calif., Pasadena—APARTMENT and RECREATION—H. C. Jensen, 1728 Westmoreland Ave., Los Angeles, will build 4 story and basement, 70 x 180 ft. brick and terra cotta, Raymond Ave. and Holly St., by day labor and sub-contracts. $500,000. E. E. B. Meinardus, 311 South Vermont Ave., archt.

Calif., San Francisco—APARTMENT—Hannah & Kohlwes, 825 Sansome St., will build 7 story and basement, rein.-con., Turk and Webster Sts., by day labor and sub-contracts. $150,000. E. E. Young, 2002 California St., archt.

Calif., San Francisco—APARTMENT—E. V. Lacey, Hearst Bldg., will build 10 story and basement, rein.-con., Pine St. near Stockton St., by day labor and sub-contracts. $200,000.

Ont., Thistletown—HOSPITAL—Hospital for Sick Children, College St., Toronto, general contract 3 story and basement, 200 ft. long, rein.-con., brick and steel, plain foundation, Weston Rd., to Jackson Lewes Constr. Co., Federal Bldg., Toronto. Archts. est. $500,000. Noted Mar. 25.

Ont., Toronto — APARTMENT — Grimshaw Bros., 1176 Danforth Ave., will build 4 story and basement, rein.-con., brick and steel, plain foundation, Sherbourne St., by day labor. $200,000. W. G. Hunt, Confederation Life Bldg., archt. Noted Feb. 17.

Ont., Toronto—APARTMENT—H. Falk, 63 Alvin Ave., general contract 5 story and basement, rein.-con., brick and steel, plain foundation, Clarendon Ave. and Avenue Rd., to J. V. Gray Constr. Co., Ltd., 541 Queen St. Archts. est. $850,000.

Ont., Toronto — APARTMENT — Ideal Homes Ltd., 181 Hudson Dr., general and carpentry contract 3 story and basement, brick, tile, stone and stucco, concrete foundation, to C. Maguire, 1009 Bathurst St. Archts. est. $200,000. Noted Mar. 24.

Ont., Toronto—EXCHANGE—Bell Telephone Co. Ltd., Adelaide St. W., general contract 2 story and basement, 85 x 105 ft., concrete, brick and steel, 72 Eglinton Ave., to J. A. Wickett Co. Ltd., 16 Saulter St. Archts. est. $150,000. Noted Mar. 3.

Buildings—Industrial

Proposed Work

Me., Portland—GARAGE—See "Buildings Commercial."

Me., Westbrook—MILL—S. D. Warren Co. plans 2 story, 150 x 200 ft., brick and steel mill, also remodeling buildings, and changing present trackage. $700,000-$800,000. Private plans.

Mass., Brookline (br. Boston)—REPAIR SHOP and GARAGE—Hotel Beaconsfield, 1731 Beacon St., having plans prepared by H. F. Bryant, 334 Washington St., 1 story, 15,000 sq.ft. floor space, rein.-con. addition, plain foundation, Beacon St. $70,000.

N. J., Newark — STORAGE and REFRIGERATING PLANT — J. B. Snook, archt., 52 Vesey St., New York City, soon lets general contract 120 x 180 ft., rein.-con. and steel, concrete pile foundation, Avenue C, for Merchants Refrigerating Co., 41 River St.. $500,000. Noted Sept. 23.

Pa., Phila.—FACTORY—L. B. Rochschild, archt., 215 South Broad St., soon lets contract 2 story and basement, 28 x 154 ft., rein.-con. and brick addition, plain foundation, 58th and Market Sts., for Greenbaum Bros. & Co., 58th and Market Sts. $50,000.

Md., Cumberland — PLANT — Celanese Corp., of America, soon lets contract 135 x 265 ft. spinning and 135 x 450 ft. textile buildings, both 1 story, also 3 story, 51 x 44 ft. receiving room additions, all brick and steel, plain foundations. Private plans.

Miss., Leland — LIGHT and POWER PLANT—City postponed indefinitely $50,000 bond election, remodeling light and power plant, incl. 300 kw. unit, etc. Swanson-McGraw, Inc., Balter Bldg., New Orleans, La., engrs. Noted Apr. 28.

O., Cleveland—FACTORY and OFFICE—W. S. Ferguson Co., archts. and engrs., West 98th St., take bids about June 3, 1 story, 41 x 227 ft. factory, and 2 story, 40 x 100 ft. office building West 98th St., for Industrial Fibre Co., H. Revitz, pres. $125,000.

Constr. News page 358

Buildings—Industrial (Continued)

O., Columbus—FACTORY—J. P. Gordon Co., 270 North 4th St., having sketches made 5 story and basement, 180 x 250 ft., concrete factory for automobile accessories, Spring St. $400,000.

Ind., Anderson—LIGHT PLANT, etc.—Making plans repairing light and water plants. $85,000. C. B. Stelle, City Hall, utility supt.

Ind., Indianapolis—SHOP and GARAGE—A. Paetz, 33 West Maple Rd., having plans prepared by G. V. Beddell, Aetna Trust Bldg., 1 story and basement, 52 x 112 ft., rein.-con., brick, steel and stone, Salem St. and Maple Rd. $43,000.

Ind., Indianapolis—MACHINE SHOP and SERVICE STATION—Stone Auto Co., 536 East Washington St., having plans prepared by G. V. Beddell, Aetna Trust Bldg., 2 story, 50 x 195 ft., rein.-con. and brick, 540 East Washington St. $42,000.

Ind., Indianapolis—MACHINE SHOP—Insley Mfg. Co., 801 North Olney St., having plans prepared brick and steel, East St. Clair St. and Bell Ry. tracks. $143,000. Private plans.

Ill., Springfield—HARDWARE FACTORY—Henson-Robinson Hardware Co., 812 East Adams St., plans 3 story and basement, 44 x 60 ft., brick and terra cotta, plain foundation, 112-114 North 5th St. $40,000. Private plans.

Kan., Parsons—STORAGE PLANT—See "Unclassified."

Neb., Bridgeport—HYDRO-ELECTRIC POWER PLANT—E. C. Carter, Bruning, and T. H. Carter, Hebron, had plans prepared hydro-electric power plant, incl. installation two 500 kw. units, later 1,000 kw. unit, on Belmont Canal 5 mi. down North Platte River from Belmont dam. $107,000. Private plans.

Mo., Kansas City—TENT and AWNING PLANT—E. Shukert, 4570 Warwick St., having plans prepared by P. H. Anthony, Main St. Theatre Bldg., 4 story and basement, 116 x 140 ft., rein.-con. and brick, 27th and Walnut Sts. Baker & Lockwood, 7th and Wyandotte Sts., lessee.

Mo., Kansas City—PLANT—See "Contracts Awarded."

Mo., St. Louis—CANDY FACTORY—Natl. Candy Co., 208 North Bway., having plans prepared by Klipstein & Rathman, 316 North 8th St., 5 story and basement, approximately 225,000 sq.ft. floor space, candy plant, incl. refrigeration plant, etc., rein.-con. and brick, Gravois and Bingham Sts., on Missouri Pacific R.R. $1,000,000.

Tex., Corpus Christi—COMPRESS—Port Compress Co., c/o C. Pease, City Natl. Bank, soon takes bids compress additions, incl. extending present warehouse from 180 ft. to 250 ft. with addition of 520 ft. new unit. $250,000. Private plans.

Tex., Pampa—GAS PLANT—Texmore Oil & Gas Corp. making plans fireproof gas plant, near here. $100,000. Private plans.

Tex., Rayland (mail Thalia)—COTTON GIN—J. C. Pace, Vernon, made plans reconstructing 8 stand, 80 saw capacity cotton gin. $40,000. Private plans.

Okla., Maud—ICE PLANT—Western Ice Co., Shawnee, had plans prepared new 20 ton ice plant, here. $40,000. E. J. Humphrey, supt. Private plans.

Calif., Belvedere—FACTORY—Goodrich Rubber Co. plans factory on 15 acre site, Mines Ave. near here. $4,000,000.

Calif., Sacramento—COLD STORAGE PLANT—Consumers Ice & Cold Storage Co., 9th and C Sts., plans probably rein.-con. addition, 8th and D Sts. $125,000. H. L. Lincoln, 354 Pine St., San Francisco, engr.

Calif., Santa Monica—FACTORY—Pratt Furniture Co., Los Angeles, having plans prepared by J. M. Cooper, 301 Rives-Strong Bldg., Los Angeles, 3 story, 70 x 108 ft., brick, here. To exceed $40,000.

Calif., Watsonville—COLD STORAGE PLANT—Growers Cold Storage Co., c/o Austin Co. of California, engrs., 244 Kearney St., San Francisco, having plans prepared rein.-con. and steel with sheet cork insulation, $200,000.

Ont., Hamilton—GARAGE—Smiths Garage & Transport Co., Simcoe St. S., Oshawa, plans 1 story, 119 x 400 ft., concrete, brick and steel, concrete foundation, here, $100,000.

Ont., Oshawa — MANUFACTURING — General Motors Ltd. having plans prepared by Hutton & Souter, 6 James St. S., Hamilton, 200 x 400 ft., 60 ft. high, rein.-con., brick and steel, plain foundation Mary St. $750,000.

Ont., Ridgetown — FLOUR MILLS — Howard Cooperative Society, A. MacLaren, mgr. plans new flour mills. $50,000.

Ont., Toronto—BATTERY SERVICE—Toronto Battery Serv. Co., Ltd., 21 McCaul St., having plans prepared by N. A. Armstrong, 17 King St. E., 2 story and basement, 62 x 126 ft., rein.-con., brick and steel, plain foundation, Bay St. $150,000.

B. C., Nanaimo—SAW MILL—Nanaimo Lumber Co. having plans prepared new saw mill cutting 100,000 per day, also additional dock accommodation and brooming grounds and equipment, $75,000. Private plans. Works will probably be done by day labor.

Bids Desired

Mass., Cambridge (br. Boston) — REPAIR and SERVICE GARAGE—W. P. Collins, c/o I. Stone, 53 State St., Boston, taking bids 2 story, rein.-con. and brick, 667 Cambridge St. $50,000. Eisenberg & Feer, 46 Cornhill, Boston, archt.

Mass., East Boston (br. Boston) — GARAGE and REPAIR SHOP—See "Contracts Awarded."

Mass., Newton Upper Falls (Ind. br. Boston) — FACTORY — See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—SUBSTATION—Bigelow & Wadsworth, archts., 120 Tremont St., Boston, taking bids Electric Sub-Station 143, 1 story, rein.-con., brick, plain foundation, Humboldt Ave., for Edison Electric Illuminating Co., 39 Boylston St., Boston. $40,000 or more.

Mass., Somerville (br. Boston)—FACTORY—See "Contracts Awarded."

Mass., Wellesley—REPAIR and SERVICE GARAGE — Wellesley Colonial Garage, Inc., c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, taking bids 2 story and basement, 105 x 140 ft., brick, steel and stone, plain foundation, Linden and Central Sts. To exceed $40,000.

Mass., Watertown—MANUFACTURING and WAREHOUSE—W. Underwood Co., 52 Walnut St., taking bids 1 and 2 story, 200 x 295 ft., brick, plain foundation, Walnut St. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, archts.

Pa., Phila.—FACTORY—June 8, by I. T. Catharine, archt., Franklin Trust Bldg., 2 story and basement, 150 x 250 ft., rein.-con. and brick, plain foundation, Amber and Venango Sts., for Gill Glass Co., Amber and Venango Sts. $200,000. Noted May 5.

Ill., Chicago — FACTORY — See "Contracts Awarded."

Mo., St. Louis — CEMENT KILN — Missouri Portland Cement Co., Post-Dispatch Bldg., taking bids 40 x 400 ft., rein.-con., steel and corrugated asbestos, concrete foundation, Prospect Hill. $2,000,000 incl. equipment. F. L. Smidth & Co., 50 Church St., New York City, engrs.

Calif., Wilmington — COTTON COMPRESS PLANT — California Compress & Warehouse Co., c/o M. Selig, 435 Cotton Exch. Bldg., Los Angeles, taking bids, 250 x 1,000 ft., 25 ft. high, rein.-con. plant. $250,000. Amweg, Bacon & Davis, 251 Kearny St., San Francisco, archts. Noted May 5.

Calif., Wilmington—DRYDOCK, etc.—See "Contracts Awarded."

P. E. I., Georgetown—WAREHOUSE, etc.—June 7, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., frostproof warehouse and improving Railway wharf, here. $50,000.

Ont., Saulte Ste Marie—MILL—See "Contracts Awarded."

Contracts Awarded

Me., Sanford — POWER HOUSE — See "Buildings Commercial."

Mass., Allston (br. Boston) — REPAIR, SALES and SHOWROOM—C. Blamkmeyer, 91 Brighton Ave., Boston, 3 story and basement, 50 x 90 ft., rein.-con., brick and stone, plain foundation, 89-91 Brighton Ave., here, to C. Graglia, 9 Stanley St., Dorchester. Archts. est. $70,000. Noted Apr. 7.

Mass., Cambridge (Boston P. O.)—MANUFACTURING and STORAGE—W. Filene's Sons Co., 426 Washington St., Boston, 4 story and basement, 60 x 230 ft., rein.-con., brick and stone addition, plain foundation, Main St. and Esplanade, to Tredennick Billings Co., 10 High St., Boston. Archts. est. to exceed $40,000. Noted May 5.

Mass., Dorchester (br. Boston)—REPAIR SHOP and SERVICE GARAGE—Massachusetts Auto Repair Co., 93 Willow St., South Boston, 1 story, 85 x 100 ft., rein.-con. and brick, plain foundation, here, to C. Graglia, 9 Stanley St. Archts. est. $40,000.

Mass., East Boston (br. Boston) — GARAGE and REPAIR SHOP—T. and E. Galante, 29 Liverpool St., will build 1 story, rein.-con., 79-81 Liverpool St. $40,000. Work will be done by separate contracts. J. A. Quirk, 10 Tremont St., Boston, archt.

Mass., Newton Upper Falls (Ind. br. Boston)—FACTORY—Stone & Woodward, 181 Oak St., will build 1 story 50 x 150 ft., brick, plain foundation, Oak St., $40,000. Work to be done by separate contracts. R. B. Adams, 40 Chester St., Newton, archt.

Mass., Newton (Ind. br. Boston)—MILL—Security Mills, Inc., Munroe St., 1 story, 80 x 125 ft., brick addition, concrete foundation, to Canter Constr. Co., 6 Beacon St., Boston. Archts. est. $41,500.

Mass., Revere—GARAGE and REPAIR SHOP—Suburban Gas & Electric Co., 150 Beach St., 1 story, 55 x 105 ft., brick and steel, plain foundation, Beach St., to P. J. MacNaughton Co., Inc., 755 Boylston St., Boston. Archts. est. $50,000. Noted May 19.

Mass., Roxbury (br. Boston)—GARAGE and REPAIR SHOP — Troy Dyeing & Cleansing Co., 76 Shirley St., 1 story, rein.-con. and brick, plain foundation, Langdon St., to Joslin & Landry, 107 Massachusetts Ave., Boston. Archts. est. $45,000.

Mass., Somerville (br. Boston) — FACTORY—Agar Mfg. Corp., 15 Winchester St., Medford, will build 1 story, 150 x 300 ft., brick, Clyde St. $150,000. Work will be done by separate contracts. H. M. Ramsay, 184 Boylston St., Boston, archt.

Mass., South Boston (sta. Boston) — POWER PLANT—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, Conn., 1 story, brick, plain foundation, here, to H. B. Kents, 5 Erie Ave., Rutherford, N. J. Engrs. est. to exceed $40,000.

Mass., Woburn—REPAIR and SERVICE GARAGE—Winn St. Motor Mart Co., Winn St., 1 story, rein.-con., plain foundation, Winn St., to J. Proctor, Woburn. Archts. est. $40,000.

R. I., Pawtucket—FACTORY—Tubular Woven Fabric Co., W. H. Thormley, 1 story, brick addition, plain foundation, Pawtucket Ave., to O. D. Purington, 49 Weybosset St., Providence.

R. I., Warwick — MILL — Appanaug Finishing Co., 2 story brick addition, to A. W. Merchant, Inc., Hospital Trust Bldg., Providence. Archts. est. $40,000 or more.

Conn., Bridgeport—PLANT—Bridgeport Metal Goods Co., Cherry St., 2 story, 60 x 240 ft., brick, Cherry St., to Hewlett Co., 884 Main St. Archts. est. $100,000.

O., Cleveland — FACTORY — Hickox Electric Instrument Co., R. O. Hickox, pres., 10514 Dupont Ave., 2 story and basement, 30 x 42 ft., brick addition, to R. E. Nixon, 2036 East 105th St. Archts. est. $40,000.

O., Cleveland—REPAIR GARAGE—H. A. Pollock, 322 Euclid Ave., 1 story, 80 x 92 ft., brick and steel, 15301 Kinsman Rd., to Gometz & Nehskes, 2262 East 79th St. Archts. est. $40,000.

O., Cleveland — FACTORY — Hamilton-East 53rd St. Co., Great Lakes Paper Box Co. (owner), c/o M. J. Garson, pres., 1729 Superior Ave., 4 story and basement, 90 x 122 ft., brick, steel and concrete, 5101 Hamilton Ave., to J. L. Hunting Co., Guarantee Title Bldg. Archts. est. $150,000.

Ind., Ft. Wayne—FACTORY—Fries Tool & Machine Co., general contract brick and steel machine shop, to H. Wehrenberg & Sons, Farmers Trust Bldg. Archts. est. $40,000. Noted Apr. 28.

Ind., Hammond—FACTORY—McLaughlin Supply Co., 163 Michigan St., general contract 3 story, 45 x 100 ft., brick and steel, 276 Michigan Ave., to J. F. Rahn Co., East Chicago. Archts. est. $45,000. Noted Mar. 24.

Ind., Indianapolis—PLANT—Jewel Tea Co., 937 North Illinois St., general contract 1 story and basement, 40 x 140 ft., brick and steel plant, to Universal Constr. Co., 1925 Massachusetts Ave. Archts. est. $42,000.

Ind., Indianapolis—PACKING PLANT—Wadley Co., 335 West North St., general contract 3 story, 50 x 144 ft., brick and steel, 335 West North St., to Krebay Constr. Co., 802 New City Trust Bldg. Archts. est. $45,000. Noted Feb. 17.

Mich., Battle Creek — CEREAL FACTORY—Postum Cereal Co., 4 story, rein.-con. and brick factory for manufacturing grape nuts, plain foundation, to H. G.

Constr. News page 359

Buildings—Industrial (Continued)

Christman Co., 315 Stephens Bldg., Detroit, $300,000. Noted Apr. 21.

Mich., Muskegon — GARAGE — Larson Motor Sales Co., R. Larson, mgr., 3 story and part basement, 64½ x 113 ft., rein.-con., brick and steel, plain foundation, Western Ave., to W. Buck Constr. Co., Montgomery Bldg. Archts. est. $60,000. Noted Mar. 31.

Ill., Chicago—FACTORY—Chicago Duntile Products Co., 6522 South Nashville Ave., will build 1 story buildings and install 6 brick making machines, etc. South Nashville Ave. between 65th and 66th Sts., by day labor. Total incl. site $60,000.

Ia., Marshalltown—POWER PLANT—Cooper Mfg. Co., 411 South 1st Ave., 1 and 2 story, 38 x 150 ft., rein.-con. and brick, to C. Jacobson, Marshalltown. Archts. est. $40,000

Neb., Wymore—FLOUR MILL—Black Bros. Flour Mills, Beatrice, rein.-con. here, to Birchard Constr. Co., 1129 J St., Lincoln Archts. est. $80,000.

Mo., Kansas City—PLANT—K. C. Duntile Co., 34th St. and Roanoke Rd., will build and equip addition to concrete block plant, 34th St. and Roanoke Rd., by day labor. $50,000. Private plans.

Mo., Kansas City — DYEING and CLEANING—Monkey Dye Co., 3218 Troots Ave., 7 story and basement, rein.-con. and brick, 36th and Troots Ave., to H. Shrieves, c/o Sheppard & Pickett, archts., 1208 R. A. Long Bldg. $65,000 cost plus percentage basis.

Tex., Lockney—MILL—Lockney Cotton Oil Co., 2 story, concrete and brick mill, to J. S. Harrison Constr. Co., 414 Liberty Natl. Bank Bldg., Waco, approximately $60,000.

Calif., Richmond—FACTORY—Parsons Casket Hardware Co., Belvedere, Ill., 1 story (ultimately 3 story), 50 x 100 ft., brick, 10th St. and Chanslor Ave., to P. M. Sanford, Builders Exchange, Richmond.

Calif., Wilmington—DRYDOCKS, etc.—Wilmington Boat Works, Inner Harbor, will build drydocks, loft, office, and 3 story 36 x 100 ft. paint shop, etc., here, by day labor. $100,000.

Ont., Hagersville — FACTORY—Canada Crushed Stone Corp., Sun Life Bldg., Hamilton, concrete, brick and corrugated iron factory and quarry building, here, to Lt. Col. E. H. Greenwood, 13 King St. W., Dundas. Engrs. est. $75,000.

Ont., Kenora—MACHINE SHOP—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., general contract 1 story, 52 x 82 ft., concrete and brick machine shop, here, to Carter-Halls-Aldinger, Royal Bank Bldg., Winnipeg, Man. Engrs. est. $90,000.

Ont., Lindsay—WAREHOUSE—Lindsay Industrial Alcohols Ltd., 19 River St., Toronto, 1 story, 35 x 75 ft. warehouse, and 3 story bottling building, concrete, brick and steel, King St., here, to G. H. Lindsay, Lindsay. Engrs. est. $80,000.

Ont., Peterborough—PLATING—Western Clock Co., Hunter St., 3 story and basement plating building, concrete, brick and steel to T. A. Brown Co. Ltd., Ontario Bldg., Toronto. Archts. est. $150,000. Noted Apr. 14.

Ont., Saulte Ste Marie—MILL—Algoma Steel Corp., will build 1 story, brick, steel and corrugated iron addition, concrete foundation, by day labor. $300,000. Private plans.

Buildings—Educational, Religious

Proposed Work

Me., Lewiston—HIGH SCHOOL—City, School Com. plans probably brick and stone, high school addition. $150,000 or more. Engineer and architect not selected.

N. H., Durham—DORMITORY—University of New Hampshire, R. Hetzel, pres., having plans prepared by E. T. H. Huddleston, Durham, women's dormitory, brick and steel. $175,000.

N. H., Hanover — DORMITORY and NATURAL SCIENCE — Dartmouth College, E. N. Hopkins, soon takes bids 2 and 3 story and basement, brick and stone, North Main St. $150,000. J. F. Larson, Hanover, archt.

N. H., Keene—SCHOOL—City, W. O. Adams, supt. schools, having plans prepared by C. P. Hoyt, 8 Beacon St., Boston, Mass., 2 story and basement, brick and granite addition to Tilton School, plain foundation, $150,000-$160,000.

Vt., Castleton — DORMITORY and HEATING PLANT—State of Vermont, J. W. Weeks, gov., State House, Montpelier, having revised plans prepared by A. H. Smith, Gryphon Bldg., Rutland, 2 and 3 story and basement, brick dormitory and heating plant at Normal School, here. $150,000. Former bids rejected. Noted May 12.

Mass., Cambridge (br. Boston)—DORMITORIES — Massachusetts Institute of Technology, S. W. Stratton, pres., 222 Memorial Dr., plans two 5 story and basement, rein.-con., brick and limestone, Technology grounds. $600,000. Engineer and architect not selected.

Mass., Framingham — CHURCH — St. Bridgets Parish, M. J. O'Connor, pastor, 830 Worcester Rd., plans probably brick and stone church. $150,000 or more. Engineer and architect not selected.

Mass., Medford (br. Boston)—DORMITORY—Tufts College, having preliminary plans prepared by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, women's dormitory. $200,000.

Mass., Newton (Ind. br. Boston) — SCHOOL—City, c/o E. O. Childs, mayor, City Hall, plans school, Grove St. and Pine Grove Rd. $150,000 or more. Engineer and architect not selected.

Mass., Newton (br. Boston)—SCHOOL—City, School Bd., having preliminary sketches made by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 2 story and basement, brick, Waverly Ave. and Ward St. $150,000 or more.

Mass., Newton (Ind. br. Boston)—SCHOOL—City, School Bd. having preliminary sketches made by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 2 story and basement, brick, off Dolphin Rd., Chestnut Hill Dist. $150,000.

Mass., North Adams—SCHOOL—Holy Family Parish, P.N.J.H. Gauthreck, pastor, having preliminary plans prepared by J. M. Donahue, 1242 Main St., Springfield, 2 story and basement, brick and stone, plain foundation, $150,000.

Mass., Quincy (Boston P. O.)—PARISH HOUSE—Christ Episcopal Church, H. K. Bartow, 17 Elm St., having plans prepared by McFarland & Laurie, 162 Newbury St., Boston, 2 story and basement, granite and terra cotta, plain foundation, Quincy Ave. and Elm St. $150,000.

Mass., Worcester—CHURCH—Our Lady of Mt. Carmel Parish, G. Maffie, pastor, having sketches made by R. C. Goianni, Green St., 1 story and basement, brick and stone, plain foundation, Mulberry St. $160,000.

R. I., Cranston—HIGH SCHOOL—City, J. K. Fenner, supt. schools, having plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, brick and steel high school. $200,000.

R. I., Providence — NURSES HOME — City, Pub. Building Dept., City Hall, having preliminary plans prepared by T. J. Hill Pierce, 275 Washington St., nurses home, Eaton St. To exceed $150,000.

R. I., Providence—CHURCH—St. Edwards Parish, E. J. Colgan, having preliminary plans prepared by J. F. Hogan, Grosvenor Bldg., remodeling brick church, 994 Branch Ave. $150,000 or more.

R. I., Warren—HIGH SCHOOL—Town, C. H. DeWolf, South Main St., having preliminary plans prepared Senior and Junior High School, 2 story and basement, brick and stone, plain foundation. To exceed $150,000. Noted Jan. 6.

R. I., Warren—HIGH SCHOOL—Town, G. H. DeWolf, chn. com., having plans prepared by E. M. Corbett, 70 Bedford St., Fall River, Mass., and soon takes bids brick and steel high school. $150,000 or more.

R. I., Warwick—SCHOOL—Town, School Com. having sketches made by T. J. H. Pierce, City Hall, Providence, 2 story and basement, brick and stone, Lakewood Dist. $150,000. Noted Jan. 13.

N. Y., Niagara Falls — SCHOOL — Bd. Educ. having preliminary plans prepared by Kirkpatrick & Cannon, 303 3rd St., brick vocational school. $420,000. Noted Mar. 10.

N. J., Hackensack—CHILDRENS HOME—Bd. Freeholders Bergen Co., 46 Hudson St., having plans prepared by C. V. R. Bogert, 167 Main St., 3 story, brick and steel, plain foundation, Green St. $150,000.

N. J., New Brunswick — SCHOOL — Bd. Educ., Livingston Ave., having plans prepared by A. Merchant, 52 Patterson St., 2 story, brick and steel addition, plain foundation, Wyckoff and Bartlett Sts. $200,000. Noted Apr. 28.

Pa., Clifton Heights—CHURCH—Parish of Sacred Heart, c/o J. Zywicki, pastor, having plans prepared by F. V. Nickels, 15 south 21st St., Phila., 1 story and basement, 45 x 140 ft., stone, plain foundation $150,000.

Pa., Phila.—COLLEGE and HOSPITAL—Jefferson Medical College, 10th and Walnut Sts., having plans prepared by H. Trumbauer, Land Title Bldg., 12 story and basement, rein.-con., brick and steel, plain foundation, 10th and Walnut Sts. $1,500,000.

Pa., State College—INFIRMARY—Penna State College, R. I. Webber, supt., having plans prepared by C. R. Klauder, 1429 Walnut St., Phila., 3 story and basement, brick and steel infirmary. $200,000.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—H. L. Cheney, archt., 80 East Jackson Blvd., Chicago, Ill., soon takes bids church and sunday school, here, for Fourth Church of Christ Scientist, 16th St. between Oak and Meridan Sts. $250,000.

D. C., Wash. — MEDICAL SCHOOL — Georgetown University had tentative sketches made by G. A. Didden, Bond Bldg., 4 and 6 story, brick and stone medical school. $1,000,000.

W. Va., Morgantown—PALESTRA—University of West Virginia having plans prepared by Davis, Dunlap & Barney, 1805 Walnut St., Phila., Pa., 1 story and basement, 130 x 300 ft. palestra.

Tenn., Nashville — CHURCH — First Lutheran Church, 312 5th Ave. N., E. W. Gernert, pastor, having plans prepared by Asmus & Clark, Nashville Trust Bldg., brick and stone church, 8th and McGavock Sts. $150,000 funds being raised for same.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcalmson & Higginbotham, 1219 Griswold St., 2 story and basement, rein.-con., brick and steel, plain foundation, Durfee Site, $396,000; also 2 story and basement, rein.-con., brick and steel addition to Condon Intermediate School. $50,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Pl., Atkinson School, 2 story and basement, rein.-con., brick and steel, plain foundation, Hilldale and Fenelon Aves. $176,430.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by N. C. Sorensen, 2231 Park Pl., (2nd unit) 2 story, rein.-con., brick and steel open air school, plain foundation. $162,350.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Pl., 2 story and basement, rein.-con., brick and steel, plain foundation, Outer Dr. $176,437.

Ill., Chicago—SCHOOL, AUDITORIUM and GYMNASIUM—Sisters of Providence, 3107 West Van Buren St., having plans prepared by Morison & Wallace, 134 North La Salle St., 4 story, 200 x 250 ft., basement and tower, rein.-con., brick and stone, Central Park Blvd. and Monroe St. $1,000,000.

Ill., Normal — SCHOOL — City having plans prepared by Associates of A. L. Pillsbury, Bloomington, 2 story and basement, brick, plain foundation, on Ummel site. $150,000.

Wis., Baraboo — HIGH SCHOOL — Bd. Educ. having plans prepared by Claude & Starck, Badger Annex, Madison, 3 story, rein.-con., brick and steel, plain foundation. $200,000.

Wis., Green Bay—SCHOOL—Bd. Vocational Educ., H. Stuart, secy., City Hall, plans 3 story, rein.-con., brick and steel, plain foundation, here $250,000. Engineer and architect not selected.

Minn., Minneapolis—NURSES' HOME—Fairview Hospital, J. Bjorhus, chn. building com., 2312 6th St. S., having plans prepared by Long & Thorshov, 1028 Andrus Bldg., probably 3 story and basement, rein.-con., brick and stone, 2312 6th St. S. $150,000.

Neb., Nebraska City—HIGH SCHOOL—Bd. Educ., F. Heller, secy., having revised plans prepared by J. H. Felt & Co., 300 West 47th St., Kansas City, Mo., 3 story, rein.-con. and brick, high school, incl. 45 x 80 ft. gymnasium and 58 x 64 ft. auditorium. $150,000. Noted Apr. 28.

Neb., Ord — HIGH SCHOOL — Voted $150,000 bonds, high school on site present Second Ward Building, for Bd. Educ.

Constr. News page 360

Buildings—Educational, Religious (Cont.)

Mont., Anaconda — SCHOOL — Voted $200,000 bonds, probably 3 story and basement, rein.-con. and brick school for Bd. of Educ. Shanley & Baker, Great Falls, archts.

Tex., Amarillo—SCHOOLS—Voted $600,000 bonds, improving schools. Address W. N. Burnham, pres. Bd. Educ.

Tex., Amarillo — CHURCH, etc. — First Baptist Congregation, T. W. Cotten, chn. building Com., takes bids about June 15, 1 story and basement, 82 x 121 ft. Church, and 1 story and basement, 76 x 110 ft. educational building, brick and stone, $300,000. Ferrand & Fitch, 6188 Delmar Blvd., St. Louis, Mo., archts. Noted Mar. 17.

Tex., San Angelo—HIGH SCHOOL—Bd. Educ. having plans prepared by Phelps & DeWees, Gunter Bldg., San Antonio, Junior High School, 2 story, 140 x 210 ft., rein.-con. and brick, plain foundation. $250,000. Noted Dec. 16.

Tex., Wichita Falls — SCHOOL — Bd. Educ., c/o J. W. Cantwell, supt., plans ward school, also enlarging present buildings. $250,000. Voelcker & Dixon, 4 Kahn Bldg., archts.

Okla., Tishomingo — SCHOOL — Bd. of Affairs, Capitol Bldg., Oklahoma City, having preliminary plans prepared by J. Hicks, 145 East 14th St., Oklahoma City, 2 story and basement, 80 x 170 ft., rein.-con. and brick, plain foundation, on campus, for Murray School of Agriculture.

Wash., Seattle—HIGH SCHOOL—School Dist. 1, Central Bldg., having plans prepared by F. A. Naramore, Central Bldg., 3 story and basement, intermediate high school, 45th S. W. and West Spokane Sts. $525,000.

Ore., La Grande—NORMAL SCHOOL—State Bd. Control, Salem, had plans prepared by Bennes & Herzog, Chamber of Commerce Bldg., Portland, 2 story, 60 x 240 ft., rein.-con. and brick, here.

Calif., Westwood—UNIVERSITY—University of California having plans prepared by Allison & Allison, 1005 Hibernina Bldg., 3 story and part 2 story, 280 x 300 ft., rein.-con., brick and terra cotta, incl. auditorium, 2,000 seating capacity. $1,200,000. Noted Dec. 2.

Ont., Ridgeway—SCHOOL—School Section 11, Bertie Twp., having plans prepared by S. B. Coon & Son, 4 St. Thomas St., Toronto, and soon takes bids 2 story and basement, 105 x 116 ft., rein.-con., brick and steel, plain foundation. $175,000.

Bids Desired

Mass., Cambridge (Boston P. O.)—SCHOOL—St. Peters Roman Catholic Parish, 31 Buckingham St., taking bids 3 story and basement, 80 x 180 ft., brick and steel, plain foundation, Buckingham St. $200,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Apr. 21.

Mass., Fall River — RECTORY — St. Anne's Cathedral, J. M. Quinn, pastor, taking bids 3 story and basement, 40 x 95 ft., granite and limestone, plain foundation, Rodman and 2nd Sts. $150,000. Maginnis & Walsh, 100 Boyleston St., Boston, archts.

Mass., Hopedale — HIGH SCHOOL — Town, School Com., taking bids 2 story and basement, brick and stone, plain foundation, Adess St. $150,000 or more. C. K. Whitcher, Beacon Bldg., Manchester, N. H., archt. Noted Mar. 24.

Mass., Manchester—HIGH SCHOOL—Town, R. C. Allen, chn. School Com. taking bids 2 story and basement, brick and stone, plain foundation, $150,000. Little & Browne, 114 Federal St., Boston, archts.

Mass., Mittineague — CHURCH — St. Francis Church, F. Potvin, pastor, taking bids 1 story and basement, brick and stone, plain foundation. $150,000. J. W. Donahue, 1242 Main St., Springfield, archt.

Mass., Weymouth (Ind. br. Boston)—HIGH SCHOOLS—Town, P. T. Pearson, supt. schools, taking bids 1 and 2 story and basement, brick addition to Pratt School, Pleasant St. and High School addition, Middle St., both plain foundations. $150,000 or more. H. B. S. Prescott, 12 Pearl St., Boston, archt.

Mass., Worcester—PARISH HOUSE—First Universalist Church, 62 Pleasant St., F. F. Butler, taking bids 3 story and basement, brick and stone, plain foundation, Clinton Court. $150,000. Frost, Chamberlain & Edwards, 390 Main St., archts. Noted Mar. 31.

Conn., Bridgeport — CHURCH — First Methodist Episcopal Church, c/o E. A. Southy, archt., 983 Broad St., and Allen & Collins, associated archt., 75 Newbury St., Boston, Mass., taking bids 2 story and basement, brick and stone, plain foundation. To exceed $150,000. Noted Nov. 11.

Pa., New Wilmington—DORMITORY—June 6, by Westminister College, 3 story and basement, brick and steel dormitory, $150,000. W. G. Eckles Co., New Castle, archts.

Pa., Phila.—HIGH SCHOOL—June 7, by Bd. Educ., Junior High School, 4 story and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, East Thompson and East Montgomery Sts. $1,250,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Phila.—RECREATION CENTER—June 6, by Dept. Pub. Welfare, Bureau of Recreation, City Hall, East Germantown Recreation Center, 1 and 2 story and basement, 44 x 81 x 122 ft., rein.-con., brick and steel, Ardleigh and Chelten Aves. J. Molitor, 1315 Walnut St., archt.

Mich., Charlevoix—SCHOOL—June 8, by H. A. Craig, secy. Bd. Educ., 2 story and part basement, 154 x 166 ft., rein.-con., brick and steel, plain foundation. Warren Holmes-Powers Co., Tussing Bldg., Lansing, archts.

Mich., Warren—SCHOOL—June 6, by J. M. Vedder, secy. Bd. Educ., 2 story and part basement, rein.-con., brick and steel, plain foundation, Dist. 5. $150,000. Lane, Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, archts.

Ill., Chicago—SCHOOLS—June 2 (extended date), by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., three 3 story and basement, 150 x 240 ft., brick, steel, stone and terra cotta schools, one at 90th and Troop Sts., one at 69th St. and Fairfield Ave., and other at 101st St. and Prairie Ave. $500,000 each. J. C. Christensen, 650 South Clark St., archt. Noted Apr. 28.

Neb., Grand Island—CATHEDRAL—See "Contracts Awarded."

Bids Received

N. Y., Far Rockaway—HIGH SCHOOL—W. H. Gompert, supt. School Building Flatbush Ave. extension and Concord St., Brooklyn, general contract Far Rockaway High School, here, from Psaty & Fuhrman, Inc., 153 West 72nd St., New York City, for Bd. Educ., 500 Park Ave., New York City. $1,410,000. Noted May 5.

Contracts Awarded

Mass., Amherst — SCHOOL — Town, School Bd., altering and constructing 2 story and basement, brick and stone addition to Cushman School, plain foundation, to S. R. Brown, 15 High St., Amherst. Archts. est. $150,000. Noted May 19.

Mass., Bedford—HIGH SCHOOL—Town, Junior High School, 2 story and basement, 68 x 109 ft., and 45 x 54 ft., brick and steel, to W. J. Delaney Co., 283 Essex St., Lawrence. $150,000 appropriated. Noted Mar. 3.

Mass., Boston — CONSERVATORY of MUSIC — New England Conservatory of Music, G. W. Chadwick, dir., 3 and 4 story and basement, brick, stone, and granite addition, plain foundation, Huntington Ave. corner Gainsboro St., to Simpson Bros. Corp., 77 Summer St. Archts. est. $300,000. Noted Jan. 13.

Mass., Boston—RECTORY—St. Eualias Parish, M. E. Toomey, pastor, 3 story and basement, 60 x 100 ft., brick, plain foundation, Bway., to A. Piotti Co., Upi Dudley St., Dorchester. Archts. est. $150,000.

Mass., Gloucester—SCHOOL—City, Supt. Schools, 7 Beacon St., 2 story and basement, brick and stone, Plum St. to N. L. Oakes Jr., 343 Essex St. Archts. est. $150,000.

Mass., Lowell — CHURCH — St. Jeanne D'Arc Church, A. LaMothe, pastor, 135 4th St., 2 story and basement, 115x180 ft., brick and stone, plain foundation, Pawtucketville Sect., to L. Marion & Son, 12 Martin St. Archts. est. to exceed $150,000. Noted Apr. 7.

Mass., Newton (Ind. br. Boston) — CHAPEL—Church of Mary Immaculate of Lourdes, D. H. Dovavan, 110 Chestnut St., pastor, 1 story and basement, 60x110 ft., brick, stone and granite, plain foundation, Beacon St., to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000.

Mass., Roxbury (Boston P. O.)—AUDITORIUM—Wentworth Institute, J. D. Long, chn. ,Ruggles St., 1 and 2 story and basement, 70 x 160 ft., brick and steel, plain foundation, to W. A. and H. A. Root, Inc., Park Sq. Bldg., Boston. Archts. est. $250,000. Noted May. 5.

Mass., Woburn—CHURCH—St. Anthony's Roman Catholic Church, Wilmington St., 1 story and basement, brick and stone, plain foundation, Wilmington St., to J. LaChance, Methuen. Archts. est. $150,000. Noted May 19.

R. I., Providence—SCHOOL—Immaculate Conception Church, A. O'Toole, pastor, altering and constructing 2 story and basement, brick and stone, addition, plain foundation, Whalling St. to C. B. Maguire Co., Grosvenor Bldg. Archts. est. $150,000. Noted May 19.

Conn., Hartford — SCHOOL — St. Augustines Parish, M. W. Barry, pastor, 2 story and basement, 60 x 128 ft., brick, steel and stone, Clifford St., to Ahern & Welsh, 721 Main St. Archts. est. $200,000. Noted Mar. 24.

Conn., Hartford—SCHOOL—City, Northwest School Dist., H. U. Tuttle, chn., general contract 3 story, 72 x 115 ft., brick,

News-Record Information Bureau

Are you making the most use out of this equipment information bureau? Let *News-Record* help you get in touch with those who can best meet your requirements for machinery and materials.

Use the Coupon to make your requirements known

A. W. Welch,
ENGINEERING NEWS-RECORD,
Tenth Ave. at 36th St., New York, N. Y.

In the market for:

. . . . . .

. . . . . .

. . . . . .

Name . . . . . .

Address . . . . . .

Constr. News page 361

Buildings—Educational, Religious (Cont.)

steel and concrete, Holcomb St., to Wise & Upson, 7 Forest St. $153,850. Noted May 12.

Conn., Middletown—DORMITORY—Wesleyan University, "Harriman Hall" 100 room, brick and marble, to H. Wales Lines Co., State St., Meriden. Noted Dec. 2.

Conn., New Britain—SCHOOL— Superintendent Schools, 2 story, 117 x 158 ft., rein.-con., brick and steel, Clinton St., to M. A. Connor Co., 15 Standish St., Hartford, $139,000. Noted May 12.

Conn., New Haven — LABORATORY — Yale University, 4 story and basement, 150 x 200 ft., brick, steel, granite and limestone, Congress and Cedar Sts., to Hegeman-Harris Inc., 360 Madison Ave., New York City. Noted May 5.

N. J., Linden—HIGH SCHOOL—Bd. Educ., 3 story, 200 x 350 ft., brick and steel, plain foundation, Elm and Henry Sts., to Limouge Bros., Inc., 118 8th St., West New York. Archts. est. $500,000.

Pa., Cornwells Heights — CONVENT—E. J. Perrot, archt., 1211 Arch St., Phila., 3 story and basement, 90 x 123 ft., and 45 x 87 ft., rein.-con., brick and steel convent extension and normal school, plain foundation, here, for St. Elizabeths Convent, Bensalem Twp., Bucks Co. (Doylestown), to W. R. Dougherty, 1610 Sansom St., Phila. Archts. est. $300,000. Noted May 12.

Pa., Pittsburgh — ADMINISTRATION—Bd. Educ., Fulton Bldg., general contract 4 story and basement, irregular shaped, brick, terra cotta and steel, Bellefield Ave., to A. Conrades, Martin Bldg., $676,526. Noted Jan. 6.

O., Cleveland—CHURCH—St. Rose of Lima Roman Catholic Church, P. J. O'Connell, pastor, 11405 Detroit Ave., substructure 1 story and basement, 90 x 200 ft., brick and rein.-con., West 114th St. and Detroit Ave., to J. Butler, 1345 Cleveland Heights Blvd. Archts. total est. $300,000. Noted Apr. 28.

O., Cleveland Heights (Warrensville P. O.)—SCHOOLS—Bd. Educ., for Fairfax School addition, to M. B. Parker Constr. Co., 1836 Euclid Ave., Cleveland, $46,233; and Taylor School addition, to R. Hansen Constr. Co., 2952 Litchfield Rd., Cleveland, $56,250. Noted Mar. 17.

O., Hiram—SCIENCE—Hiram College, 3 story and basement, 46 x 102 ft., rein.-con. and brick, to A. M. Higtey Co., Plymouth Bldg. Archts. est. $150,000.

Ind., Evansville—CHURCH—St. Benedicts Catholic Church, A. Martin, pastor, 1416 Lincoln Ave., general contract 1 story and basement, 115 x 180 ft., brick and steel church, to M. J. Hoffman Constr. Co., 403 Furniture Bldg. Archts. est. $200,000. Noted Nov. 4.

Mich., Roseville — SISTERS HOME — Dominican Sisters, Lakeshore Rd., (1st unit) 2 story and basement, 66 x 158 ft., rein.-con., brick and steel, plain foundation, Van Dyke Ave., to F. R. Patterson Constr. Co., 2631 Woodward Ave. Archts. est. $150,000.

Neb., Grand Island—CATHEDRAL—St. Marys Roman Catholic Congregation, c/o J. A. Duffy, pastor, will build 1 story and basement, 70 x 290 ft., rein.-con., steel and stone Division and 5th Sts. $250,000. Work will be done by separate contracts. Brinkman & Hagan, 205 Stout Bldg., Emporia, Kan., archts. Noted Dec. 31, 1925.

Calif., Oakland — HIGH SCHOOL — School Dist., rein.-con. high school, Park Blvd., to W. C. Keating Central Bank Bldg., $500,100. Noted May 19.

Calif., Pasadena — AERONAUTICAL — California Institute of Technology, 3 story and basement, 60 x 160 ft., rein.-con., incl. testing shop, to W. C. Crowell, Pasadena, $150,000.

Calif., Pasadena—CHURCH—Marston, Van Pelt & Maybury, 25 South Euclid Ave., 1 story, 150 x 150 ft., with 150 ft. tower, rein.-con., incl. auditorium, 1,600 seating caacity, Lake Ave. and Atchison St., to C. P. Day Corp., Boston Bldg., for Westminster Presbyterian Church, $300,000. Noted Apr. 7.

Federal Government Work

Proposed Work

Calif., San Diego—Heating, System—Spec. 5382—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans heating system at Naval Operating Base (Air Station), here.

Constr. News page 362

Bids Desired

Rhode Island—Dredging, etc.—July 1, by U. S. Engineer Office, Providence. dredging and rock removal in Pawtucket River, here; adv. E. N.-R. June 2.

N. J., Lakehurst—Refrigerating Equipment—Spec. 5376—June 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., automatic refrigerating unit, incl. motor driven compressor, condenser, liquid receiver, expansion coils, automatic safety devices, etc., from Naval Air Station, here; adv. E. N.-R. June 2.

Pa., Johnstown — Lift — June 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., new lift at U. S. Post Office, here; adv. E. N.-R. June 2.

Pa., Pittsburgh—Lock Gates—July 1, by U. S. Engineer Office, 1 upper and 1 lower lock gate for Lock 15, Monongahela River; adv. E. N.-R. June 2.

D. C., Wash.—Engine, etc.—June 6, by Dept. Justice, Superintendent Prisons, 300 hp. cross compound and one 150 hp. simple steam engines, two 200 and one 100 kva., 2,300 volt 60 cycle, 3 phase a.c. generators with three 15 kw. exciters, one 6 panel switchboard and 2 motor driven deep well pumps.

Ga., Atlanta—Boilers—June 10, by Dept. Justice, Superintendent Prisons, Wash., U. S. Bureau Pub. Rds., New Post Office D. C., boilers and auxiliary equipment in

Mich., Mt. Clemens—Barracks, etc.—June 25, by Constructing Quartermaster, Selfridge Field, air corps barracks and utilities, Selfridge Field, here.

Wis., Tomah—Post Office—June 28, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here; adv. E. N.-R. June 2.

Mo., Machens—Revetment—June 13, by U. S. Engineer Office, 707 Postal Bldg., Kansas City, 7,000 ft. revetment in Missouri River, near here.

Tex., Victoria—June 20, by Treas. Dept., at office Supervising Archt., Wash., D. C., new heating boiler, etc., in U. S. Post Office, here.

Oregon—Roads—June 9, by C. H. Purcell, dist. engr. Bureau Pub. Rds., New Post Office Bldg., Portland, three span 483 ft. concrete bridge over Galion Creek, Siskiyou Natl. Forest Rd., Josephine Co. $25,000.

California—Bridge—June 15, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, bridge over Williams Creek, on Covelo Sect, Mendocino Pass Natl. Forest Rd., Mendocino Co.

Contracts Awarded

Mass., Leominster—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to A. M. Lundberg, 208 North Bway., St. Louis, Mo, $95,900. Noted Apr. 7.

W. Va., Alderson — Buildings, etc. — Treas. Dept., at office Supervising Archt., Wash., D. C., constructing buildings at Federal Industrial Institution for Women, here, to A. C. Samford, Montgomery, Ala.; and mechanical equipment, to Virginia Eng. Co., Newport News, Va., $159,275. Noted Apr. 14.

La., Carville—Administration Addition—Treas. Dept., at office Supervising Archt., Wash., D. C., addition to administration building at U. S. Marine Hospital, here, to W. H. Bond & Bro., 1019 Constantinople St., New Orleans, $18,236 Noted Apr. 14.

Michigan—Rip Rap—U. S. Engineer Office, Duluth, Minn., removing stone filled timber superstructure in front east breakwater at upper entrance Kewanaw Waterway, here, to England Towing Co., 1930 East 5th St., Duluth, Minn., $25,260.

Mich., Whitefish Point—Quarters—Spec. 4277—Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters at Radio Compass Station, here, to Walker & Cox, Saulte Ste Marie, $11,964. Noted May 12.

Colo., Denver — Turbine, etc. — Bureau Reclamation, turbine, etc., for Guernsey Power Plant, here, Items 1, 1a and 2, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $26,985; also Items 3, 4, 5, 6 and 7, to General Electric Co., River Rd., Schenectady, N. Y., $34,780. Noted Feb. 17.

Oregon—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., New Post Office Bldg., Portland, grading, etc. Wapanitia Sect. Oregon Natl. Forest Rd., Wasco Co., to Security Constr. Co., La Grande, $57,053; Salmon River Clearing and Pinter Sect. connection Roosevelt Highway, Tillamook and Lincoln Counties, to E. L. Gates, Lakeside, $71,417; 13.4 mi. Canyon City-Burns Sect. Malheur Natl. Forest Rd., Grant and Harney Counties, to J. A. Terteling & Sons, Moscow, Idaho, $77,585; and Santiam Highway, Linn Co., to R. W. Shaffer, 428 Spokane Ave., Portland, $36,672. Grand total $242,727.

Unclassified

Proposed Work

Comfort Station—Dorchester, Mass.—City of Boston, Dept. Pub. Wks., plans 1 story, brick and stone, Codman Sq., here. $25,000. J. P. Englert, supt.

Bathing Beach—East Boston (Boston P. O.), **Mass.**—City of Boston, Park Dept. plans bathing beach improvements at Harbor View, incl. tunnel to same under Narrow Gauge Ry. tracks, here. $150,000. Private plans.

Park—Waltham (Ind. br. Boston), Mass.—City, Park Comrs. plans 33 acres addition to Prospect Hill Park. Engineer not selected.

Arena—Hartford, Conn.—F. N. Tilton made plans 2½ story, 83 x 124 ft., steel, brick and Indiana limestone, 2,000 seating capacity, incl. 8 bowling alleys. Elm St. $150,000. G. H. Matthews, 68 Campfield Ave., archt.

Grade Crossing Elimination — New Britain, Conn. — City plans bridging tracks New York, New Haven & Hartford R.R., and widening present bridge, 20 ft. $25,000. J. D. Williams, city engr.

Boardwalk — Manasquan, N. J. — Boro Council, L. C. Riddle, mayor, plans boardwalk. $35,000. Engineer not selected.

Parks—Polk City, Fla.—Approved $50,000 bond issue for public parks.

High Power Line—Illinois—Illinois Light & Power Co., 231 South La Salle St., Chicago, plans 100 mi. 132,000 volt high power line from Kewanee to Joliet, requiring 900 ft. fabricated steel tower 70 ft. high. E. S. Height, 231 South La Salle St., Chicago, ch. engr.

Ornamental Lighting System—Peoria, Ill.—Plans ornamental lighting system on portions East McClure and West Bell Aves. $25,000. W. E. Backes, City Hall, engr.

Grand Stand, Club House, Track, etc.—East St. Louis, Ill.—Illinois Breeders Assn., c/o S. Bennett, Metropolitan Bldg., makpreliminary plans rein.-con., brick and steel grand stand, club house, stables, track, fences, etc., on outskirts of here. Private plans.

Storage Tanks, etc. — Parsons, Kan. — Missouri-Kansas-Texas R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., F. Ringer, ch. engr., soon takes bids oil storage tanks, 1 story rein.-con. building barrel racks, pumping equipment, etc. $45,000. A. L. Sparks, Ry. Exch. Bldg., St. Louis, Mo., archt.

Gas System — Texas — Reynosa Oil Co., c/o E. B. Reynolds, c/o City Natl. Bank Bldg., San Antonio, making plans natural gas system in Kenedy, Runge, Karnes City, Nordheim and Yorktown, complete systems to be established through main gas line from Kenedy to Yorktown. To exceed $25,000 each. Private plans.

Oil Pipe Line—Texas—Continental Oil Co., Wichita Falls, making plans 53 mi. probably 10 in. pipe line from Nocona to Wichita Falls. $300,000. Private plans.

Transmission Line—Texas—West Texas Utilities Co., Abilene, making preliminary plans 25 mi. transmission line from Big Lake to McCamey. $75,000. Private plans.

Land Development—Abilene, Tex.—Denman Investment Co. making plans and takes bids early in June sub-division development, incl. sewers $50,000, paving $70,000, waterworks $30,000. Private plans.

Land Development—Abilene—Tex. — H. O. Wooten made plans sub-division development 89 acres, incl. paving $40,000, waterworks $35,000, and sewers $25,000. Private plans.

Pumping Plant—Breckenridge, Tex.—Phillips Petroleum Co., plans pumping plant in Fisher Co. for mining purposes. Probably electrically driven equipment. $75,000. Private plans.

Land Development—Brownsville, Tex.—Sethman Corp., c/o Chamber of Commerce made plans developing 400 acres, incl. sewers, paving, waterworks, etc. $200,000. Private plans.

Pumping Plant — Colorado, Tex. — California Co., c/o Chamber of Commerce plans pumping plant on North Elm Creek for mining purposes, near here. $50,000. Private plans.

Gas System—Dalhart, Tex.—A. D. Morton & associates, Tulsa, Okla., making plans natural gas distributing system, here. $60,000. Private plans.

Land Development—McLean, Tex.—Back Townsite Co., c/o V. Smith, McLean, made

Unclassified (Continued)

plans, etc. developing town of "Back" near here, incl. paving $40,000; waterworks $25,000, and sewers $25,000. Private plans.

Land Development—Port Arthur, Tex.—E. Cooper, 2748 Proctor St., G. R. Canada, 610 Stilwell St., purchased 9,600 acres land and making preliminary plans developing same, incl. fencing, grubbing, drilling well, etc. in Chambers Co. $200,000. Private plans.

Land Development—San Angelo, Tex.—Plains Investment Co., Staley Bldg., Wichita Falls, c/o G. I. Dorrance, pres., making plans, etc. sub-division development 100 acres on Freeland St., incl. paving $35,000, water distributing system $20,000, and sewers $25,000. Private plans.

Gas, Distributing System—Temple, Tex.—A. L. Flint, C. M. Campbell and associates soon takes bids natural gas distributing system, incl. 4- to 8-in. mains and 1- to 3-in. laterals. $75,000. Private plans.

Townsite Development—Victoria, Tex.—C. C. Faupel et al, Victoria, making surveys, etc. townsite Bayside Beach in Calhoun Co. J. Fenner & Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Grain Elevator—Portland, Ore.—Oregon-Washington Ry. & Navigation Co., c/o S Murray, engr., Pittock Blk., had plans prepared grain elevator, eastside river front below Morrison St. $200,000.

Transmission Line—Washington—City of Morton plans transmission line between Morton and light plant in Tacoma, etc. $40,000.

Lighting System—Corona, Calif.—Plans 173 lights on Grand Blvd. $50,000. Currie Eng. Co., 209 Stoneman Bldg., engr.

Conduits—Ottawa, Ont. — City plans rein.-con. conduit west of Holland Ave. $150,000. A. F. Macallum, City Hall, engr.

Lighting System—Simcoe, Ont.—Utilities Comn. plans additional transformers and increasing capacity electric lighting system in business district. $25,000. J. Stalker, c/o owner, engr.

Bids Desired

Heating and Ventilating—Dedham, Mass.—June 6, at office Superintendent Schools, heating and ventilating in old high school. $25,000. Private plans.

Swimming Pool and Auditorium—Pittsfield, Mass.—June 11, by Harding & Seaver, archts., 7 North St., 1 story and basement, brick and concrete swimming pool and auditorium addition, for Pittsfield Boys' Club. $50,000. Noted May 19.

Signal Towers—Brooklyn, N. Y.—June 3, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, signal towers, adjacent to elevated railroad structures of Rapid Transit R.R., in Brooklyn Boro.

Special Work—Brooklyn, N. Y.—June 3, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of special work (Order 41) for constructing portion Coney Island Yard, here.

Balustrade—New York, N. Y.—June 7, by Park Bd., W. R. Herrick, pres., at office Dept. Parks, Arsenal Bldg., Central Park, artificial granite balustrade on top present concrete bulkhead wall along the easterly boundary of Harlem River Driveway between 193rd and 198th Sts.

Mechanical Equipment—New York, N. Y.—June 7, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, heating and ventilating, electrical work, lighting fixtures, etc., for De Witt Clinton High School, Mosholu Parkway, for Bd. Educ., 500 Park Ave. Noted Apr. 7 under "Buildings—Educational, Religious."

Track Materials — New York, N. Y. — June 10, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., track materials (Order 10) for use in constructing Rapid Transit Railroads.

Swimming Pool—New York, N. Y.—See "Contracts Awarded."

Mechanical Equipment—Springfield Gardens (mail Jamaica), **N. Y.**—June 7, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, heating and ventilating, electrical work, lighting fixtures, etc., for P. S. 37, here, for Bd. Educ., 500 Park Ave., New York City. Noted May 5, under "Buildings-Educational, Religious."

Heating System—Syracuse, N. Y.—June 6, by Bd. Contr. & Supply, City Hall, new ventilating and heating system in Clinton School. N. F. Pitts, Jr., City Hall, engr.

Heating Line—Baltimore, Md.—June 8, by Bd. Awards, heating line. C. F. Goob, 311 Courtland St., mechanical engr.

Lighting System—Peoria, Ill.—June 6, by Bd. Local Impvts., ornamental lighting system on South Adam St., 56 c.i. posts complete, transformers, bases, lamps, 1,400 ft. 10 R.C. wire in place, 16,000 No. 8 parkway cable laid, etc. W. E. Backes, City Hall, engr.

Lighting System—Oak Park, Ill.—June 14, by Village, connected electric street lighting system. B. C. Brandstadt, secy.; adv. E. N.-R. June 2.

Telephone System—St. Louis, Mo.—See "Contracts Awarded."

Power Equipment — Pasadena, Calif. — June 14, by B. Chamberlain, city clk., steam generating equipment for light plant, one 1,500 hp. boiler, etc.

Stadium — Sacramento, Calif. — Dean & Dean, archts., California State Life Bldg., taking bids rein.-con. stadium, on Junior College Campus, for Sacramento Junior College Dist. $150,000.

Wharf, etc.—Georgetown, P. E. I.—See "Buildings-Industrial."

Wharf — Three Rivers, Que. — Wayagamack Pulp & Paper Co. Ltd., taking bids wharf to deep water. $150,000. A. Wickenden, Three Rivers, engr.

Contracts Awarded

Playground — Concord, Mass. — Town, Playground Com., developing Percy A. Rideout Playground, to T. F. McGovern, Southbridge. Engrs. est. $25,000. Noted May 5.

Coal Pocket — Walpole, Mass. — Bird & Son, coal pocket, to Aberthaw Co., 80 Federal St., Boston. Engrs. est. $250,000.

Baseball Stadium — Hartford, Conn. — Hartford Baseball Club, 284 Asylum St., steel and concrete baseball stadium, to Cudemo & Southern New England Constr. Co., 68 Temple St. Engrs. est. to exceed $25,000.

Subway—New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing Sect. 1, Route 101, portion Rapid Transit R.R. under Church and Fulton Sts., Manhattan Boro, under East River and under Cranberry, Furman and High Sts., Brooklyn Boro, to Mason & Hanger Co., 52 Vanderbilt Ave., New York City, $22,282,309. Noted May 12.

Tracks, etc.—Corona (Ind. br. Flushing), **N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, installing tracks, special work, pumping posts, etc. at Corona Yards, here, to A. A. Johnson Corp., 3rd and West Aves., Long Island City, $86,304. Noted May 12.

Swimming Pool — New York, N. Y. — Aubury Mittenthal, 300 West 49th St., will build 100 x 200 ft., concrete and tile swimming pool, incl. shower, locker, and dressing rooms, etc. Bway. and 238th St. Work will be done by separate contracts. T. W. Golding, 597 5th Ave., archt.

Golf Course, etc.—Richmond Hill (Ind. br. Jamaica), **N. Y.** — Park Bd., Park Dept., Arsenal Bldg., Central Park, New York City, general contract golf house and comfort station in Forest Park, Queens Boro, here, to D. M. W. Contg. Co., 2058 Fulton St., Brooklyn, $21,700. Noted Apr. 7.

Park Improvements—St. George, N. Y.—Park Dept., Dept. Parks, Arsenal Bldg., Central Park, New York City, grading, installing water supply, paving walks, etc., in Silver Lake Park, here, to J. Johnson Sons, 455 Bway., West New Brighton, $51,531; constructing greenhouse, Silver Lake Park, to Lord & Burnham, Inc., 30 East 42nd St., New York City, $18,507; and shelter and tool house at Hero Park, here, to W. D. Bailey, 32 Lockman Ave., Port Richmond, $1,522. Grand total $71,560. Noted May 12.

Aviary—Wash., D. C.—District Comrs., District Bldg., aviary building at Zoological Park, to A. L. Smith & Co., 2525 Pennsylvania Ave. N.W., $95,990. Noted May 5.

Whiteway and Fire Alarm System — Plant City, Fla.—Whiteway system, to G. O. Parker, Plant City, $20,000; and fire alarm system, to Gamewell Co., Newton Upper Falls (Ind. br. Boston), Mass., $9,467.

Lighting System—St. Paul, Minn.—A. E. Eggert, city purch. agt., ornamental lighting system on Ford Rd. between Mississippi River Blvd. and Cleveland Ave., also Ford Rd. between Cleveland and Snelling Aves., to Acme Electric Co., 1042 West 7th St., $27,395.

Culverts—Oskaloosa, Ia.—See "Bridges."

Telephone System — St. Louis, Mo. — Southwestern Bell Telephone Co., 11th and Pine Sts., will replace approximately 10 mi. old cable and 94 poles and replace with 4 mi. new cable and 115 poles in Cass Dist., by day labor. $26,000. Private plans.

Transmission Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, 55 mi. high voltage transmission line between Dilley and Asherton via. Big Wells, to L. E. Myers, c/o owners, approximately $90,000.

Swimming Pool—Cisco, Tex.—Lake Cisco Amusement Co., 267 x 700 ft., rein.-con. at Lake Cisco, to C. H. Vaneman, Cisco. $60,000. Noted May 19.

Oil Tanks — Port Arthur, Tex. — Texas Co., fabricating oil tanks, to Petroleum Iron Wks., Beaumont, $250,000.

Steel Tanks — Cushing, Okla. — Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., six 80,000 bbl. oil storage tanks, steel, here, to Graver Corp., East Chicago, Ind.

Lighting System—Long Beach, Calif.—Ornamental lighting system on 7th St. between Alamitos Ave. and right-of-way of Los Angeles Co. Flood Control Dist., to M. K. Beaty, 207 Pacific Southwest Bldg., Los Angeles, $48,900. Noted Apr. 14.

Lighting System — San Diego, Calif. — Ornamental lighting system on Market St. between 5th and 16th Sts., to H. C. Reid & Co., 444 West 61st St., Los Angeles, $26,385.

Drydock, etc.—Wilmington, Calif.—See, "Buildings Industrial."

Coal Pockets and Storage Bins—Toronto, Ont.—F. R. Pember, 325 Jones Ave., coal pockets and storage bins, rein.-con. and steel etc., to J. B. Nicholson Ltd., Excelsior Life Bldg. Engrs. est. $25,000.

Electric Substation — Toronto, Ont. — Toronto Electric Comrs., 225 Yonge St., general contract structural steel and concrete electric substation, to Avery Shipp Constr. Co., 2850 Dundas St. W.; oil switches to Canadian Westinghouse Mfg. Co., oil circuit breakers, to Canadian General Electric Co., 212 King St. W. Engrs. est. $150,000. Noted Feb. 17.

Materials

Proposed Work

Road Oil — Independence, Mo. — Comrs. Jackson Co. plans approximately 3 m.g. road oil on various roads. L. E. Koehler, Independence, co. engr.

Bids Desired

Metals and Castings—New York, N. Y.—June 8, by P. J. Dooling, comr. Purchase, Municipal Bldg., metals and castings to Police Dept., and Depts. Parks, Plant & Structures, Water Supply, Gas & Electricity.

Road Oil—Trenton, N. J.—June 7, by Bd. Freeholders Mercer Co., 27,000 gal. Grade S. C. O. road oil and 1,040 tons sand cover. H. F. Harris, Trenton, co. engr.

Memorial Hoist—East Moline, Ill.—June 7, by Division Engineers & Architects, Springfield, memorial hoist at Watertown State Hospital, here. To exceed $1,000. W. J. Lindstrom, Capitol Bldg., Springfield, engr.

Culvert Pipe—Mt. Pleasant, Ia.—June 7, by Auditor Henry Co., 1,000 ft. corrugated culvert pipe. C. E. Smith, Mt. Pleasant, co. engr.

Beams—Los Angeles, Calif.—June 13, by Supervs. Los Angeles Co., Carnegie Steel Co. beams, incl. 28 pcs. 35 ft. 2 in. long, 4 pcs. 34 ft. 5½ in. long, 1 pc. 34 ft. 11½ in. long, 4 pcs. 34 ft. 3 in. long, 7 pcs. 32 ft. 10 in. long, 56 pcs. 32 ft. 6 in. and 4 pcs. 32 ft. 4 in. long.

Contracts Awarded

Stone Ballast and Pine Lumber—Boston, Mass.—Transit Dept., 1 Beacon St., 13,000 tons stone ballast, to Old Colony Crushed Stone Co., Vernon St., Quincy, at $2.15 per ton; and 113,000 ft. long leaf yellow pine lumber, to G. McQueston Co., 27 Kilby St., $103 per M. Noted Mar. 12.

Concrete Pipe — Baltimore, Md. — Bd. Awards, 14,000 lin.ft. 24- to 36-in. rein.-con. pipe, Material Contr. 63, to Lock Joint Pipe Co., Ampere, N. J., $47,925. Noted May 5.

Guard Rail—South Dakota—See "Streets and Roads."

See proposal advertising on page 146

Constr. News page 363

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in May, 1927

		Issue of
Bridge	Kentucky	May 5
Bridge	Falmouth, Ky.	May 19
Bridge	Poughkeepsie, N. Y.	May 19
Dam	Wheatland, Calif.	May 19
Drain	Los Angeles, Calif	May 12
Duct Line	Brooklyn, N. Y.	May 5
Filtration Plant	Allentown, Pa.	May 26
Grading	New York, N. Y.	May 5
Grading	Syracuse, N. Y.	May 12
Highway	New Jersey	May 19
Pipe Line	Southborough, Mass.	May 26
Road	Indiana	May 5
Road	Kansas	May 12
Road	Nevada	May 19
Road	Idaho	May 19
Sewer	St. Louis, Mo	May 5
Sewer	Detroit, Mich.	May 5
Street Improvement	Los Angeles, Calif	May 19
Subway	New York, N. Y	May 12
Test Borings	New York, N. Y.	May 5
Tunnel	Detroit, Mich	May 26

Water-Works Improvements—Elkhart, Ind.

Bids were opened by City, Apr. 29, for Contract 5, laying feeder mains and extensions, from (A) Pittsburgh-Des Moines Steel Co., Tuttle and S. W. 10th St., Des Moines, (awarded contract); (B) Cecil B. Coil, Ft. Wayne; (C) Frank J. Miller, Elkhart. The unit bids are as follows:

	A	B	C
Lump sum using lead pipe joints	$72,000.00	$75,818.00	$84,500.00
Lump sum using leadite joints	*69,500.00	73,048.00	84,000.00
Hauling cast iron pipe, per ton	1.50	1.50	3.00
Laying 6-in. B. & S., C. I. pipe	.48	.66	.45
Laying 8-in. B. & S., C. I. pipe	.50	.70	.50
Laying 10-in. B. & S., C. I. pipe	.53	1.10	.70
Laying 12-in. B. & S., C. I. pipe, 12-ft. length	.57	.79	.85
Laying 12-in. B. & S., C. I. pipe, 16-ft. length	.60	.74	.75
Laying 14-in. B. & S., C. I. pipe	.65	.85	1.20
Laying 18-in. B. & S., C. I. pipe	.70	1.67	2.00
Placing 20-in. sewer under R.R.	3.75	9.00	5.00
Placing 30-in. sewer under R.R.	7.50	11.00	8.00
Reclaiming 6-in. B. & S. C. I. pipe	.25	.60	.45
Reclaiming 8-in. B. & S., C. I. pipe	.25	.70	.50
Hauling and setting 6-in. valves	3.00	6.00	7.00
Hauling and setting 8-in. valves	3.00	7.50	10.00
Hauling and setting 10-in. valves	3.50	8.50	12.00
Hauling and setting 12-in. valves	3.50	10.00	15.00
Hauling and setting 14-in. valves	4.00	12.00	18.00
Hauling and setting 18-in. valves	4.00	16.00	22.00
Hauling and setting fire hydrants	6.00	15.00	15.00
Wet connections	18.00	25.00	25.00
Cutting and replacing brick paving	1.35	3.00	2.00
Cutting and replacing concrete paving	1.00	2.00	2.00
Cutting and replacing sheet asphalt paving	2.10	4.00	2.00
Cutting and replacing bit. concrete paving	1.70	2.00	2.00
Cutting and replacing concrete sidewalk	1.00	1.25	1.40
Work completed	70 working days	Jan. 1, 1928	Dec. 15, 1927

* Contract awarded.

Constr. News page 364

Bridge—Florida

Bids were opened by State Road Dept., Tallahassee, Mar. 16 (lowest three) for bridge on Road No. 19, Project No. 699, Jefferson Co., from (A) Atlantic Bridge Co., Greensboro, N. C.; (B) Peterson & Earnhart, Havana; (C) Small & Triplett, Jacksonville. The unit bids are as follows:

	A	B	C
105.8 cu.yd. concrete class "A" substructure	$27.80	$24.00	$25.00
330.98 cu.yd. concrete class "A" superstructure	27.80	24.00	28.00
610 lin.ft. concrete handrail	2.40	2.50	3.00
97,776 lb. reinforcing steel	.0495	.05	.05
56.0 m.f.b.m. structural timber—treated		130.00	
1.8 m.f.b.m. structural timber—untreated		100.00	
2,880 lin.ft. trestle piling—treated		1.20	
1,750 lin.ft. concrete piling—pre-cast	4.00	4.60	4.00
Totals (concrete)	$25,446	$24,946	$25,631
Totals (timber)		10,916	

Conduit—Syracuse, N. Y.

Bids were opened by Board of Contract and Supply, May 2, for Contract "A" of Third Conduit, furnishing and delivering c.i. pipe and specials, on cars, freight paid, at Camillus, N. Y., from (A) Michigan C. I. Pipe & Foundry Co.; (B) Warren Foundry & Pipe Co. The unit bids are as follows:

	A	B
7,340 tons 36-in. C. I. pipe	$3,284.65	$3,321.35
10 tons 30 in. C. I. pipe	447.50	455.00
24 tons 12-in. C. I. pipe	1,074.00	1,110.00
47 tons C. I. specials	5,875.00	6,110.00
Totals	$33,586.15	$33,981.00

Road—Montana

Bids were opened by State Highway Comn., Mar. 8, (lowest three) for grading and surfacing 5½ mi. Rocky Canyon Rd., F. A. P. 222, Gallatin Co., from (A) J. N. Brown & Son, Bozeman, (awarded contract); (B) J. Hershberger, Hardin; (C) Wickham Bros. & Schweiger, Billings. The unit bids are as follows:

	A	B	C
46,347 cu.yd. unclassified excavation	$0.27	$0.26	$0.28
11,557 sta.yd. overhaul	.05	.05	.04
5,531 cu.yd. crushed gravel surfacing, top	1.48	1.67	1.60
5,110 cu.yd. crushed gravel surfacing, base	1.48	1.57	1.50
82.84 cu.yd. class "A" concrete in box culverts	22.00	25.00	25.00
5,435 lb. reinf. steel in box culverts	.08	.07	.10
1.064 acres clearing	25.00	75.00	100.00
2,246 mil. finishing	85.00	100.00	100.00
Alternates			
180 lin.ft. 15-in. corr. metal pipe culvert	1.45	1.50	1.80
246 lin.ft. 18-in. corr. metal pipe culvert	1.70	1.75	2.00
68 lin.ft. 24-in. corr. metal pipe culvert	2.65	3.00	3.10
34 lin.ft. 30-in. corr. metal pipe culvert	3.30	3.50	3.80
16.06 cu.yd. class "B" conc. in headwalls	22.00	25.00	25.00
1,360 lin.ft. timber guard rail	.85	.70	.70
435 lin.ft. 15-in. reinf. conc. pipe culvert	2.00	2.00	3.00
66 lin.ft. 21-in. reinf. conc. pipe culvert	3.30	3.00	3.50
33 lin.ft. 27-in. reinf. conc. pipe culvert	4.00	4.50	5.00
13.72 cu.yd. class "B" conc. in headwalls	22.00	25.00	25.00
1,360 lin.ft. wire mesh guard rail	.85	.80	.75
Totals corr. metal pipe and timber guard rail	$33,795	$35,020	$35,409
Totals corr. metal pipe and wire mesh guard rail	33,795*	35,156	35,477
Totals reinf. conc. pipe and timber guard rail	33,992	35,154	35,895
Totals reinf. conc. pipe and wire mesh guard rail	33,992	35,290	35,963

* Awarded contract.

UNIT PRICES *continued on page 364a*

Sears-Roebuck Builds at Atlanta—in Record Breaking Time—with Reinforced Concrete Construction and Institute Reinforcing Steel

THIS reinforced concrete building is 10 stories high—440 feet long and 140 feet wide—with a four story tower 40 by 30 feet. By using Institute Reinforcing Steel, construction delays were eliminated and an erection speed record set.

Not one day was lost awaiting deliveries of Institute Reinforcing Steel.

Altogether, a total of 35,000 cubic yards of concrete was poured into the caissons, frame and floors.

During four, 5½ day weeks, six stories of concrete work were completely finished. In this time, 12,199 cubic yards of concrete were poured.

As Institute Reinforcing Steel was used throughout—all bars were securely bundled for quick and easy two-man handling. They were plainly tagged, for quick accurate placing. All steel was cut, bent, and completely fabricated before delivery. Only with careful fabrication and accurate deliveries of reinforcing steel could such erection speed be accomplished.

REINFORCED CONCRETE

THE CONCRETE REINFORCING STEEL INSTITUTE :: TRIBUNE TOWER, CHICAGO

American System of Reinforcing
Badt-Falk & Company
Hugh J. Baker & Company
Baker Warehouse
Barker Steel Company
Barton Spider-Web System, Inc.
Brewer & Co., Inc.
Building Products Co., The
Capitol Steel & Iron Company
Carlem Engineering Company
Colorado Builders' Supply Co., The
Concrete Engineering Company
Concrete Steel Company
Cowin & Co., Inc.
Olney J. Dean & Company
Dietrich Brothers
Dudley Bar Company
Gabriel Steel Company
Gunn, Carle & Co., Inc.
W. J. Holliday & Co.
Hustad Company, The
Igoe Brothers
Kalman Steel Company, Inc.
J. B. Klein Iron & Foundry Co.
Knoxville Iron Company
Kyle and Company, Inc.
McClintic-Marshall Company
McCraken-Ripley Co.
Metzger-Richardson Co.
Midwest Steel Company
J. J. Morgan Company, The
Patterson Steel Company
Rosslyn Steel and Cement Co.
Joseph T. Ryerson & Son, Inc.
Edw. L. Soule Co.
Southern Engineering Company
Southern G-F Company, The
Southern Steel Products Co.
Steel Service Company
A. Taylor Company, Inc.
Truscon Steel Company
Edward A. Tucker Company
Virginia Steel Co., Inc.
W. S. Wetenhall Co.
Widmayer Steel Inc.
Wilson-Weesner-Wilkinson Co.

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewers—Paducah, Ky.

Bids were opened by City, Jan. 13, for constructing storm and sanitary sewers in Zone "B," from (A) McKelvey Construction Co., Title Guaranty Bldg., St. Louis, Mo., (awarded contract); (B) Getney & Son, St. Petersburg, Fla.; (C) Christensen Bros. Co., Urbana, Ill. The unit bids are as follows:

	A	B	C
1,277 lin.ft. 8 in.-15 in. pipe trench 0- 6 ft.	$0.65	$1.10	$0.53
1,200 lin.ft. 8 in.-15 in. pipe trench 6- 8 ft.	.80	1.20	.73
1,200 lin.ft. 8 in.-15 in. pipe trench 8-10 ft.	.94	1.30	.99
1,200 lin.ft. 8 in.-15 in. pipe trench 10-12 ft.	1.04	1.50	1.23
1,200 lin.ft. 8 in.-15 in. pipe trench 12-14 ft.	1.50	2.00	2.05
1,200 lin.ft. 8 in.-15 in. pipe trench 14-16 ft.	1.75	2.50	2.80
1,200 lin.ft. 8 in.-15 in. pipe trench 16-18 ft.	2.00	3.50	3.95
47 lin.ft. 18 in.-27 in. pipe trench 0- 6 ft.	.85	1.20	1.00
1,812 lin.ft. 18 in.-27 in. pipe trench 6- 8 ft.	1.06	1.40	1.70
2,752 lin.ft. 18 in.-27 in. pipe trench 8-10 ft.	1.27	1.55	2.42
2,529 lin.ft. 18 in.-27 in. pipe trench 10-12 ft.	1.46	1.70	2.79
1,434 lin.ft. 18 in.-27 in. pipe trench 12-14 ft.	1.67	2.60	3.24
1,229 lin.ft. 18 in.-27 in. pipe trench 14-16 ft.	2.58	3.50	4.09
1,229 lin.ft. 18 in.-27 in. pipe trench 16-18 ft.	3.06	5.00	5.25
1,229 lin.ft. 30 in.-42 in. pipe trench 0- 6 ft.	1.25	3.00	2.10
1,229 lin.ft. 30 in.-42 in. pipe trench 6 -8 ft.	1.60	3.50	2.41
809 lin.ft. 30 in.-42 in. pipe trench 8-10 ft.	1.87	4.00	2.76
809 lin.ft. 30 in.-42 in. pipe trench 10-12 ft.	2.07	4.50	3.28
442 lin.ft. 30 in.-42 in. pipe trench 12-14 ft.	3.00	6.00	3.88
442 lin.ft. 30 in.-42 in. pipe trench 14-16 ft.	3.50	8.00	4.83
442 lin.ft. 48 in.-60 in. pipe trench 0 -6 ft.	1.56	4.00	4.00
442 lin.ft. 48 in.-60 in. pipe trench 6 -8 ft.	1.92	4.75	4.50
40 lin.ft. 48 in.-60 in. pipe trench 8-10 ft.	2.25	5.50	5.80
25 lin.ft. 48 in.-60 in. pipe trench 10-12 ft.	2.49	6.00	6.80
691 lin.ft. 48 in.-60 in. pipe trench 12-14 ft.	3.60	7.50	8.26
75 lin.ft. 48 in.-60 in. pipe trench 14-16 ft.	4.20	9.50	10.50
400 lin.ft. 48 in.-60 in. pipe trench 16-18 ft.	4.80	11.50	13.25
Rock excavation	10.00	7.50	6.00
Old sheeting	40.00	45.00	30.00
New sheeting	60.00	45.00	40.00
400 8 in. Std. V.S.P. mortar joints	.42	.27	.31
4,714 lin.ft. 10 in. Std. V.S.P. mortar joints	.55	.38	.44
2,290 lin.ft. 12 in. Std. V.S.P. mortar joints	.72	.49	.61
1,195 lin.ft. 15 in. D.S. V.S.P. mortar joints	1.15	.87	.98
1,618 lin.ft. 18 in. D.S. V.S.P. mortar joints	1.56	1.20	1.32
1,997 lin.ft. 21 in. D.S. V.S.P. mortar joints	2.50	1.77	1.78
2,508 lin.ft. 24 in. D.S. V.S.P. mortar joints	3.00	2.27	2.30
3,680 lin.ft. 27 in. D.S. V.S.P. mortar joints	4.35	3.20	3.88
3,680 lin.ft. 8 in. Std V.S.P. asphalt joints	.47	.35	.33
3,680 lin.ft. 10 in. Std. V.S.P. asphalt joints	.60	.48	.46
3,680 lin.ft. 12 in. Std. V.S.P. asphalt joints	.77	.61	.63
3,680 lin.ft. 15 in. D.S. V.S.P. asphalt joints	1.20	1.02	1.00
3,680 lin.ft. 18 in. D.S. V.S.P. asphalt joints	1.66	1.38	1.34
3,680 lin.ft. 21 in. D.S. V.S.P. asphalt joints	2.65	1.98	1.80
3,680 lin.ft. 24 in. D.S. V.S.P. asphalt joints	3.50	2.51	2.32
3,680 lin.ft. 27 in. D.S. V.S.P. asphalt joints	4.75	....	3.90
809 lin.ft. 30 in. seg. block sewer	5.00	4.80	4.50
809 lin.ft. 42 in. seg. block sewer	7.20	7.75	5.45
442 lin.ft. 48 in. seg. block sewer	8.25	9.64	6.25
1,031 lin.ft. 54 in. seg. block sewer	9.50	11.74	7.23
12 in. cast iron pipe	4.60	2.00	3.00
16 in. cast iron pipe	6.00	2.80	4.20
27 cu.yd. 1-2-4 concrete	20.00	50.00	16.00
5 cu.yd. 1-3-6 concrete	17.00	30.00	12.00
5 cu.yd. 1-4-8 concrete	15.00	20.00	10.00
4,714 lin.ft. 10 in. concrete sewer, mortar jts.	.50	.36	.47
2,290 lin.ft. 12 in. concrete sewer, mortar jts.	.65	.46	.63
1,195 lin.ft. 15 in. concrete sewer, mortar jts.	1.04	.76	.93
1,618 lin.ft. 18 in. concrete sewer, mortar jts.	1.40	1.05	1.26
1,197 lin.ft. 21 in. concrete sewer, mortar jts.	2.25	1.67	1.80
2,508 lin.ft. 24 in. concrete sewer, mortar jts.	2.70	2.12	2.31
3,680 lin.ft. 27 in. reinf. concrete sewer	3.91	2.60	3.22
809 lin.ft. 30 in. reinf. concrete sewer	5.00	3.00	3.36
809 lin.ft. 42 in. reinf. concrete sewer	6.00	4.80	4.50
442 lin.ft. 48 in. reinf. concrete sewer	7.50	6.50	6.00
1,031 lin.ft. 54 in. reinf. concrete sewer	8.75	8.00	7.50
1,031 lin.ft. 10 in. concrete sewer, asph. joints	.55	.46	.49
1,031 lin.ft. 12 in. concrete sewer, asph. joints	.70	.58	.65
1,031 lin.ft. 15 in. concrete sewer, asph. joints	1.10	.91	.95
1,031 lin.ft. 18 in. concrete sewer, asph. joints	1.55	1.23	1.28
1,031 lin.ft. 21 in. concrete sewer, asph. joints	2.30	1.88	1.82
1,031 lin.ft. 24 in. concrete sewer, asph. joints	2.75	2.36	2.33
1,031 lin.ft. 27 in. reinf. concrete sewer	2.96	....	3.24
1,031 lin.ft. 30 in. reinf. concrete sewer	5.05	....	3.78
1,031 lin.ft. 42 in. reinf. concrete sewer	6.10	....	4.52
1,031 lin.ft. 48 in. reinf. concrete sewer	7.60	....	6.02
1,031 lin.ft. 54 in. reinf. concrete sewer	9.00	....	7.52
120 lin.ft. wooden bearing piling	5.00	1.00	2.00
Totals vitr. pipe	$106,802	$119,872	$119,542
Totals concrete pipe	$102,040	$109,851	$116,638

Constr. News Page 384a

Bridge—Pittsburgh, Penn.

Bids were opened by Allegheny County, Mar. 23, for constructing J. P. Moore Memorial Bridge on Georgia Avenue, from (A) Wilmerding Supply Co., Wilmerding, (awarded contract); (B) Trimble & Sons, Pittsburgh; (C) Booth & Flinn, Pittsburgh. The unit bids are as follows:

	A	B	C
4,500 cu.yd. excav. including removal of stone and concrete masonry	$2.00	$2.50	$4.00
1,710 cu.yd. concrete in foundations	16.00	22.00	15.00
5,566 cu.yd. concrete above foundations	25.00	30.00	25.00
75 cu.yd. concrete in sewer protection, including foundation	20.00	22.00	12.00
150 cu.yd. stone drains	5.00	6.00	3.00
200 lin.ft. 6 in. vitr. clay pipe drains, including excav. and backfilling	1.00	2.00	.75
552,000 lb. steel reinforcing and dowels	.045	.055	.06
35,000 lb. struc. steel and anchor	.08	.07	.08
2,100 lb. copper drains in place	.50	.40	.75
180 ft. 15 in. vitr. clay pipe sewers, including excav., backfilling and connection to existing sewers	2.00	3.00	4.50
1,030 cu.yd. filling approaches for arch abutments	1.00	2.00	1.00
6,300 lb. bronze bearing plates	.30	.40	.50
2 bronze name plates	250.00	140.00	100.00
6,000 ft. b.m. lumber for stairway in south end of bridge	100.00	140.00	100.00
Totals	$210,880	$215,910	$227,620

Pipe Line—Okmulgee, Okla.

Bids were opened by City, Mar. 31, for pipe line from pumping plant to city, from (A) Standard Paving Co., Tulsa, (awarded contract using centrifugal c. i. pipe); (B) N. S. Sherman, Oklahoma City; (C) W. E. Callahan Co., St. Louis; (D) E. H. Locher, Okmulgee. The unit bids are as follows:

	A	B	C	D
2,600 cu.yd. class 1 excav.	$0.75	$0.75	$0.65	$1.05
2,100 cu.yd. class 2 excav.	1.00	1.50	.70	2.10
350 cu.yd. class 3 excav.	2.00	3.00	2.00	3.00
50 cu.yd. class 4 excav.	5.00	5.00	3.00	3.00
8,000 ft. c.i. pipe in place	5.60	5.80	6.00	6.90
8,000 ft. centri. c.i. pipe	5.40	5.60	.....	.....
10 sq.yd. macadam pavement removed and replaced	4.00	3.00	3.00	1.50
15 sq.yd. brick pavement removed and replaced	5.00	6.00	5.00	3.50
Installation at pumping plant (lump sum)	1,000.00	1,025.00	860.00	1,500.00
Making connections at Kern Avenue (lump sum)	600.00	750.00	200.00	300.00
Totals	$51,515	$54,695	$53,115	$65,507
Totals (centri. c.i. pipe)	49,915	53,095	.....	.....

Road—Florida

Bids were opened by State Road Department, Tallahassee, Mar. 22 (lowest three), for road between Bronson and Marion Co. line, Project No. 676-C, Levy Co., from (A) C. A. Steed & Son, Okeechobee; (B) H. L. Clarke & Sons, Inc., 5600 N. E. 2nd Ave., Miami, (awarded contract); (C) Harwell Bros., Tampa. The unit bids are as follows:

	A	B	C
167,372 sq.yd. broken stone base No. 2	$0.85	$0.94	$1.10
200 tons extra rock	2.00	2.60	3.00
167,372 sq.yd. single bituminous treat	0.27	0.28	0.26
2,500 lin.ft. woven wire guard rail	0.70	0.70	0.60
Total	$189,607	$206,464	$229,726